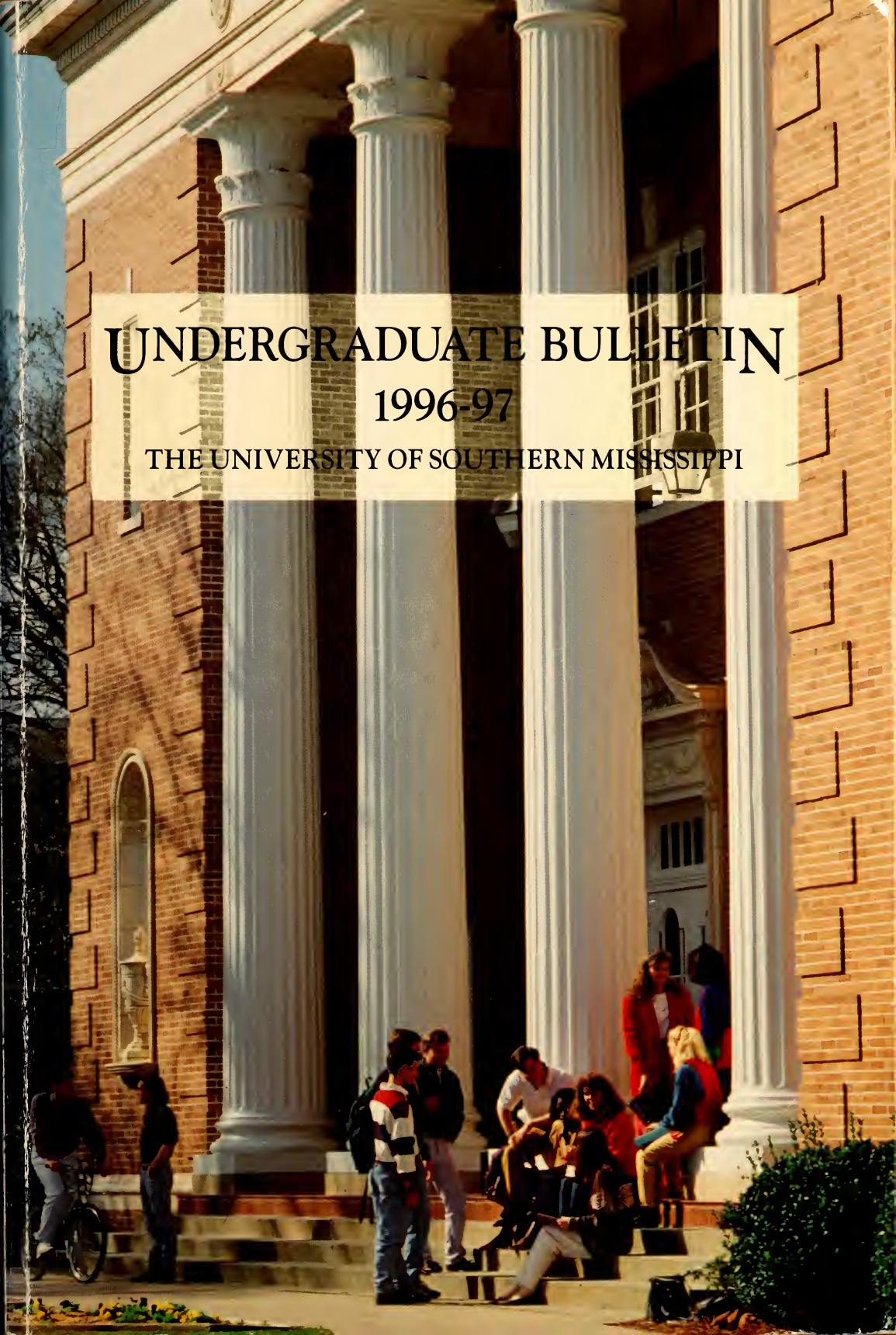

UNDERGRADUATE BULLETIN

1996-97

THE UNIVERSITY OF SOUTHERN MISSISSIPPI

UNDERGRADUATE PROGRAMS

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1996-1997

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CALENDAR FOR SUMMER SESSION, 1996

Hattiesburg Campus

Friday, May 17	Application deadline for new students
Thursday, May 30	Final orientation and registration for new undergraduate students Residence halls open
Thursday, May 30 & Friday, May 31	Registration for new graduate, reapplying, and continuing students
Monday, June 3	Classes begin Late registration and add/drop begin Last day to register for first three-week term classes
Tuesday, June 4	Last day to register for first half-term (S) classes
Friday, June 7	Last day to register for full-term classes
Tuesday, June 11	Last day to drop first three-week term classes without academic penalty
Friday, June 14	Last day to drop first-term (S) classes without academic penalty
Friday, June 21	End of and final examinations for first three-week term
Monday, June 24	Second three-week and six-week term classes begin Last day to register for second three-week term and six-week term classes
Friday, June 28	Last day to drop full-term classes without academic penalty
Tuesday, July 2	Mid-point in Summer Semester End of and final examinations for first-term (S) classes Last day to drop second three-week term classes without academic penalty
Wednesday, July 3	Second-term (SS) classes begin
Thursday, July 4	Independence Day Holiday Day and night classes do not meet.
Friday, July 5	Last day to register for second-term (SS) classes
Wednesday, July 10	Last day to drop six-week term classes without academic penalty
Friday, July 12	End of and final examinations for second three-week term classes
Monday, July 15	Third three-week term classes begin Last day to register for third-week term classes
Wednesday, July 17	Last day to drop second-term (SS) classes without academic penalty
Tuesday, July 23	Last day to drop third three-week term classes without academic penalty
Friday, July 26	Last day to file application for degree for Fall, 1996 Commencement
Wednesday, July 31	Last day of MWF classes
Friday, August 2	Last day of regularly scheduled classes End of second-term (SS) classes. Classes meet on TT schedule as make-up day for July 4th holiday. Thursday night classes also meet as make-up. End of and final examinations for third three-week term classes End of and final examinations for six-week term classes
Monday-Friday August 5-9	Examinations for full-term and second-term (SS) classes (including night classes)
Friday, August 9 6:30 PM	Commencement, Green Coliseum
Saturday, August 10	Residence halls close

CALENDAR FOR FALL SEMESTER, 1996

Hattiesburg Campus

Friday, August 9	Application deadline for new students
Thursday, August 22	Final orientation and registration for new undergraduate students
	Residence halls open
Thursday, August 22 &Friday, August 23	Registration for new graduate, reapplying, and continuing students
Monday, August 26	Classes begin
	Late registration and add/drop begin
Tuesday, August 27	Last day to register for first-term (S) classes
Friday, August 30	Last day to register for full-term classes
Monday, September 2	Labor Day Holiday Monday day and night classes will not meet
Monday, September 16	Last day to drop first-term (S) classes without academic penalty
Monday, October 7	Last day to drop full-term classes without academic penalty
Thursday, October 17	Last day of first-term (S) classes
Friday, October 18	Final examinations for first term (S) classes
	Mid-point in Fall Semester
Monday, October 21	Second-term (SS) classes begin
Tuesday, October 22	Last day to register for second-term (SS) classes
Friday, November 8	Last day to drop second-term (SS) classes without academic penalty
	Last day to file application for degree for Spring, 1997 Commencement
Wednesday, November 27 6:00 PM	Thanksgiving Holidays begin Night classes do not meet
Monday, December 2	Classes resume
Tuesday, December 10	Tuesday night class examinations
Friday, December 13	Last day of second-term (SS) classes
	Last day of regularly scheduled classes
Monday - Friday December 16-20	Examinations (including Monday, Wednesday, Thursday night and second-term (SS) classes)
Friday, December 20 6:30 PM	Commencement, Green Coliseum
Saturday, December 21	Residence halls close

CALENDAR FOR SPRING SEMESTER, 1997

Hattiesburg Campus

Friday, December 20, 1996	Application deadline for new students
Thursday, January 9, 1997	Final orientation and registration for new undergraduate students Residence halls open
Thursday, January 9 & Friday, January 10	Registration for new graduate, reapplying, and continuing students
Monday, January 13	Classes begin Late registration and add/drop begin
Tuesday, January 14	Last day to register for first-term (S) classes
Friday, January 17	Last day to register for full-term classes
Monday, January 20	Martin Luther King Jr.'s Birthday (Observed) Monday day and night classes will not meet
Monday, February 3	Last day to drop first-term (S) classes without academic penalty
Tuesday, February 11	Mardi Gras Holiday Tuesday day and night classes will not meet
Monday, February 24	Last day to drop full-term classes without academic penalty
Friday, March 7	Mid-point in Spring Semester Last day of and final examinations for first-term (S) classes
Monday-Friday March 10-14	Spring Holidays
Monday, March 17	Classes resume Second-term (SS) classes begin
Tuesday, March 18	Last day to register for second-term (SS) classes
Friday, March 28	Good Friday Holiday
Sunday, March 30	USM Day
Friday, April 4	Last day to drop second-term (SS) classes without academic penalty
Friday, April 18	Last day to file application for degree for Summer, 1997 Commencement
Wednesday, May 7 6:30 PM	Wednesday night class examinations
Thursday, May 8 6:30 PM	Last day of second-term (SS) classes Thursday night class examinations
Friday, May 9	Last day of regularly scheduled classes Final examinations for second-term (SS) classes
Monday-Friday May 12-16	Examinations (day classes)
Monday, May 12 6:30 PM	Monday night class examinations
Tuesday, May 13 6:30 PM	Tuesday night class examinations
Friday, May 16 6:30 PM	Commencement, Green Coliseum
Saturday, May 17	Residence halls close

CALENDAR FOR SUMMER SESSION, 1997

Hattiesburg Campus

Friday, May 16	Application deadline for new students
Thursday, May 29	Final orientation and registration for new undergraduate students
	Residence halls open
Thursday, May 29 & Friday, May 30	Registration for new graduate, reapplying, and continuing students
Monday, June 2	Classes begin
	Late registration and add/drop begin
	Last day to register for first three-week term classes
Tuesday, June 3	Last day to register for first half-term (S) classes
Friday, June 6	Last day to register for full-term classes
Tuesday, June 10	Last day to drop first three-week term classes without academic penalty
Friday, June 13	Last day to drop first-term (S) classes without academic penalty
Friday, June 20	End of and final examinations for first three-week term
Monday, June 23	Second three-week and six-week term classes begin
	Last day to register for second three-week term and six-week term classes
Friday, June 27	Last day to drop full-term classes without academic penalty
Tuesday, July 1	Mid-point in Summer Semester
	End of and final examinations for first-term (S) classes
	Last day to drop second three-week term classes without academic penalty
Wednesday, July 2	Second-term (SS) classes begin
Thursday, July 3	Last day to register for second-term (SS) classes
Friday, July 4	Independence Day Holiday
Wednesday, July 9	Last day to drop six-week term classes without academic penalty
Friday, July 11	End of and final examinations for second three-week term classes
Monday, July 14	Third three-week term classes begin
	Last day to register for third three-week term classes
Wednesday, July 16	Last day to drop second-term (SS) classes without academic penalty
Tuesday, July 22	Last day to drop third three-week term classes without academic penalty
Friday, July 25	Last day to file application for degree for Fall, 1997 Commencement
Friday, August 1	Last day of regularly scheduled classes
	End of second-term (SS) classes.
	End of and final examinations for third three-week term classes
	End of and final examinations for six-week term classes
Monday-Friday August 4-8	Examinations for full-term and second-term (SS) classes (including night classes)
Friday, August 8 6:30 pm	Commencement, Green Coliseum
Saturday, August 9	Residence halls close

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GENERAL INFORMATION

Historical

The University of Southern Mississippi and its Board of Trustees were established by an act of the Legislature approved on March 30, 1910, by Governor Edmund F. Noel. Its first name was the Mississippi Normal College, and its original purpose was to train teachers for the rural schools of Mississippi. On February 2, 1932, the Legislature established the Board of Trustees of State Institutions of Higher Learning and placed under its jurisdiction the five colleges and one university owned and operated by the state. On November 3, 1942, the people of the state voted to make the Board of Trustees of State Institutions of Higher Learning a constitutional board for all colleges and universities of the state. The University of Southern Mississippi is now operated under the jurisdiction of that constitutional board.

The act of March 30, 1910, did not provide any state money for the building of Mississippi Normal College, but did provide that localities in the state might bid for its location by offering land for a site and money for constructing buildings. On September 16, 1910, the Board of Trustees accepted the bid of Hattiesburg and Forrest County to supply $250,000.00 and a free site. That site was west of the city in cut-over timberland with great pine stumps everywhere. Contracts were let to clear the land and to build buildings.

The five permanent buildings (College Hall, Forrest County Hall, Hattiesburg Hall, the Industrial Cottage [now the Honor House], and the President's Home [now the Alumni House]), a temporary wooden Dining Hall, and other necessary improvements were barely finished when the Mississippi Normal College opened on the rainy morning of September 18, 1912, with a president, a faculty of eighteen, and a student body of 200.

On October 17, 1911, Joseph Anderson Cook, Superintendent of Schools, Columbus, Mississippi, was elected president. The University of Southern Mississippi has had only six presidents since its founding. The Board of Trustees elected Claude Bennett president effective October 10, 1928. On April 23, 1933, the Board of Trustees elected Dr. Jennings Burton George as the third president, effective July 1, 1933. On June 13, 1945, the Board of Trustees elected Dr. Robert Cecil Cook as the fourth president and he officially assumed office on July 1, 1945. On October 21, 1954, President Cook submitted his resignation. He served until December 31, 1945, and Dr. Richard Aubrey McLemore became acting president on January 1, 1955. The Board of Trustees, on May 19, 1955, elected Dr. William David McCain as the fifth president. He officially assumed office on August 1, 1955, and retired as of June 30, 1975. Dr. Aubrey Keith Lucas became the sixth president of the University on July 1, 1975.

As has been stated, The University of Southern Mississippi was founded on March 30, 1910, as the Mississippi Normal College. On March 7, 1924, the Legislature changed the name to State Teachers College. On February 8, 1940, the Legislature changed the name to Mississippi Southern College, and on February 27,1962, the Legislature changed the name to The University of Southern Mississippi.

The Mississippi Normal College did not grant degrees in its early years, but awarded certificates for the completion of certain specified courses of study. On April 8, 1922, the Legislature authorized the awarding of the Bachelor of Science degree. The Bachelor of Music degree was authorized by the Board of Trustees on June 19, 1934. The first Bachelor of Arts degree was awarded on August 20, 1940. On May 26, 1947, the Board of Trustees authorized the initiation of graduate work and the awarding of the Master of Arts degree. In the years since 1947, the University's graduate programs have developed logically to meet the needs for professional competence beyond the academic measure of the baccalaureate degree. Doctoral programs were first authorized by the Board of Trustees on May 20, 1959. The administrative and academic organization of The University of Southern Mississippi is divided into the following areas: Vice President for Academic Affairs, Vice President for Administrative Affairs, Vice President for Research and Planning, Vice President for Business and Finance, Vice President for Student Affairs, and Director of Intercollegiate Athletics. The academic area of The University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, the College of Science and Technology, the Honors College, the Graduate School, and the College of International and Continuing Education. The number of graduates is some measure of the growth of a university. The University of Southern Mississippi has awarded 90,713 degrees since the first one was conferred in 1922.

Purpose Statement

The University of Southern Mississippi recognizes the interdependence of teaching, research, and service. It is therefore dedicated to the pursuit of excellence in each of these areas, as well as their support operations, with the goal of achieving and maintaining the highest possible quality throughout the University.

The University of Southern Mississippi is committed to quality education. In its undergraduate programs, and in graduate and professional programs that aim for national distinction, it seeks to educate students who will be well-trained in their chosen profession, whose critical thinking skills and respect for learning will foster life-long learning, and who recognize their obligation to contribute to their society—whether local, national, or international.

This education will be provided by a community of scholars who are dedicated to high standards of original inquiry and creative expression, and to the principles of intellectual freedom. The University affirms its support for sound research, scholarship, and creative activity, which will expand the boundaries of human knowledge, inspire superior teaching, and in their applications improve the quality of life of the citizens of Mississippi and the world.

With the understanding that teaching and research must complement service to society, The University of Southern Mississippi pledges to pursue its goals in an educational atmosphere that affirms a commitment to the preservation of our planet's environment and a recognition of the increasing importance of international understanding. It teaches respect for diversity of ideas, beliefs, and cultures, as well as for its constituents' own cultural heritage. It seeks to attract and nurture a faculty, staff, and student body that reflects this diversity, while working always to enhance life locally and regionally. In short, The University of Southern Mississippi strives for excellence.

The University of Southern Mississippi values quality teaching and intellectual achievement, research and creative expression, personal development, quality programs and services, and the maximum use of resources. These values are supported by the following goals:

- Commitment to quality teaching and intellectual achievement by encouraging learning based in rational inquiry, problem solving, challenge, creativity, and intellectual initiative; developing an appreciation of culture and the liberal arts; attracting and retaining a highly qualified and diverse faculty, staff, and student body; and creating an appreciation for diversity .
- Commitment to research and creative expression by preserving and refining existing bodies of knowledge and expanding and communicating new knowledge.
- Commitment to personal development by creating a supportive environment characterized by opportunities for leadership development; enhancing communication skills; developing cooperative attitudes in problem solving through team-work methods; creating an awareness of the responsibility of a citizen in a democratic society; promoting healthy lifestyles within the University community; encouraging students to become supporting alumni; providing opportunities for developing career goals; demonstrating competence and integrity; developing an understanding of the complexities of differing cultural values in a global environment; and creating an understanding of international problems.
- Commitment to quality programs and services by giving attention to our alumni and other constituents; increasing financial support for the University; maintaining efficient student services; providing a safe, well-maintained environment; maintaining an athletic program that instills pride and generates positive recognition; enhancing University public service to the community; and developing practices which protect and preserve our environment.
- Commitment to maximizing resources through technology utilization by continuing to improve the equipment, physical facilities, and library resources of the University; utilizing appropriate technologies to deliver programs more effectively; and advocating the usage of modern technology.

ADMISSION REQUIREMENTS AND PROCEDURES

All communications regarding entrance to the undergraduate colleges and schools of the University should be addressed to the Office of Admissions, The University of Southern Mississippi, Box 5166, Hattiesburg, MS 39406-5166.

Eligibility for admission will be determined when the application, ACT/SAT score, and scholastic records have been submitted. These items should be received before the deadline date of the semester for which the student is applying (see Calendar). The academic record, character, and conditions of application of the applicant must be in accordance with the rules and regulations of the

Board of Trustees of State Institutions of Higher Learning and with the laws of the State of Mississippi. The applicant must have excellent moral character and must be willing to conduct his or her affairs so as to be a credit to the University. The University reserves the right to cancel the admission or registration of an individual whose attendance at the University, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to himself or herself and to the institution. Any undergraduate applicant who is denied admission to the University may have his or her case reviewed by the Undergraduate Committee for Admissions and Credits. To initiate the review procedure, the student should contact the Office of Admissions. Applicants should note carefully the law governing legal residence and the penalty for falsifying residence information. The law appears in the STUDENT EXPENSES Section of this **Bulletin. The University of Southern Mississippi does not discriminate on grounds of age, sex, race, color, religion, or national origin. These provisions also apply to disabled individuals pursuant to current federal and state regulations subject to reasonable standards of admission and employment. All inquiries concerning discrimination should be referred to the Vice President for Administrative Affairs, Room 108, Administration Building, The University of Southern Mississippi, Hattiesburg, Mississippi 39406-5177.**

Admission requirements are subject to change as mandated by the Board of Trustees, State Institutions of Higher Learning, without prior notification.

APPLICATION PROCEDURES FOR FRESHMEN

HOW TO APPLY

Each entering freshman applicant is required to:

1. Present an application for admission.
2. Submit an official high school transcript which lists the date of graduation, class rank, and grade point average and which indicates credit in the following College Preparatory Core (CPC) units in grades 9-12:

Subject		
English	4 units	(All must require substantial communication skills)
Mathematics	3 units	(Includes Alg I, Geom, Alg II or a higher math)
Sciences	3 units	(Choose from Bio, Chem, Physics, or their advanced sequences, or any other course of comparable rigor and content. Two must be lab based.)
Social Studies	3 units	(Must include 1 unit of American History, 1 unit of World History, 1/2 unit of Government, and 1/2 unit of either Economics or Geography.)
Required Electives	2 units	(1 unit must be either a foreign language or World Geography. The second unit can be either a foreign language, World Geography or a 4th math or 4th science unit.)
Computer Application	1/2 unit	(Computer competency cited on the transcript will meet this requirement.)

Algebra I or a foreign language taken in the 8th grade will be accepted toward meeting admission requirements.

For an applicant to be fully admitted to USM, one of the following combinations of curriculum, testing scores and grade point average must be attained:

1. Complete CPC with minimum 3.20 GPA and submit ACT or SAT; or,
2. Complete CPC with minimum 2.50 GPA or in top 50% of class and 16 or higher ACT, or the SAT equivalent; or,
3. Complete CPC with minimum 2.00 GPA and 18 ACT or the SAT equivalent.

If an applicant meets all of the above requirements except for the full CPC, he/she may be admitted with up to two curriculum deficiencies (but no more than one in any allowable area; English and Mathematics areas are not allowed deficiencies.) Students may also be considered as per NCAA IA eligibility criteria.

Freshman applicants who do not meet the above listed standards will be required to participate in a screening process that will include the diagnostic test, ACCUPLACER. Depending on the level of development diagnosed through ACCUPLACER, applicants may be moved directly into a full Admission category. Those students will be encouraged to participate in an Academic Support Program. If the ACCUPLACER indicates the need for remediation, those applicants will be fully admitted with deficiencies for the Summer term and will be required to enroll in a Summer

Developmental Program designed to strengthen the student's skills in areas requiring remediation. Students who successfully complete this summer program, by passing at minimum the English and mathematics courses, will be considered to have made satisfactory academic progress and will continue their regular programs of study during the fall term with mandatory participation in the Academic Support Program. Students who fail to complete the Summer Developmental Program are considered to have made unsatisfactory academic progress and are not eligible for enrollment in the regular academic year. These students will be counseled to explore other post-secondary opportunities. The Summer Developmental Program will consist of the following individualized courses in which the applicant has deficiencies: English, reading, mathematics and support labs. The individual courses are three (3) credit hours and each lab will be one (1) hour. Students carrying a course load of 12 semester hours will be considered full time.

Realizing that applicants from other states and countries may not have the same curriculum opportunities as our instate applicants, those students will be required to achieve curriculum standards that would be considered equivalent in rigor and content to the College Preparatory Core.

WHEN TO APPLY

A high school student, especially one who is also applying for financial aid, is urged to apply for admission early in his or her senior year. The applicant should have his or her high school mail to the Office of Admissions a transcript complete for his or her first six semesters. This transcript should have clearly posted the current grade point average, class rank and should list the courses for which the student is currently enrolled. A student who applies during his or her final senior semester should provide a transcript complete for the first seven semesters. The deadline for receipt of applications and all required credentials, including results of the ACT/SAT, is twenty (20) days in advance of the session for which the application is being made. An application is processed as soon as possible after all required items are available. A notification of admission is then issued to the admissible student.

APPLICATION PROCEDURES FOR TRANSFER STUDENTS

HOW TO APPLY

Each new student who has attended other colleges or universities and who is seeking admission to an undergraduate college is required to file with the Office of Admissions an application for admission. He or she should also request the authorities at each institution attended to send an official transcript of his or her record to the Office of Admissions. The student who is applying with fewer than twenty-four (24) semester hours of college credit acceptable by this University must also have sent to the Office of Admissions an official high school transcript showing the date of graduation. The applicant must also provide an official report of the ACT/SAT scores directly from the testing service. Applications will be processed and admission status determined when all required items, including the ACT/SAT where applicable, are on file.

Any prospective transfer students who have achieved all of the standards as specified by the Board of Trustees for admission to the universities under the governance of the Board of Trustees but who choose to attend an institution not under the governance of the Board of Trustees may transfer at any time to an institution under the Board of Trustees. This does not alter individual institutional requirements regarding transfer students.

Any student who did not meet freshman requirements at the time of high school graduation must attend an accredited institution of higher learning other than those under the governance of the Board of Trustees and must attain a C average (2.0 GPA on a 4.0 scale) in the following twenty-four (24) semester credit hours:

6 semester hours English Composition
3 semester hours College Algebra or a higher math course
6 semester hours Laboratory Science
9 semester hours Transferable Electives

The applicant also must show that he or she has earned an overall GPA of 2.0 on all course work attempted or have an earned associate degree (or its equivalent) from an accredited institution. Developmental courses in English, mathematics, and reading will not be accepted for transfer credit, nor will the grades and hours be used in computation of the individual GPA for admission to the University.

Transfer students may be accepted from other institutions of higher learning only when the program of the transferring institution is acceptable to the receiving institution, the program of studies completed by the student meets the requirements established above, and the quality of work performed by the student is acceptable to the Board of Trustees. The authorities at the institutions

under the jurisdiction of this Board are authorized to require acceptable scores on recognized tests for such transfer students. No student seeking to transfer during the midst of the session, quarter, semester, or trimester of the institution in which he or she is currently enrolled can be considered.

A student currently enrolled in another institution at the time he or she makes application for admission for the following session to one of the undergraduate colleges of this University should arrange to have forwarded to the Office of Admissions an official transcript which includes a listing of courses in progress as well as all completed work. Transfer credit is accepted only from institutions of higher learning which are accredited by a regional accrediting agency or the Mississippi Commission on College Accreditation.

The student must indicate on the application all previous college attendance. An applicant is not permitted to ignore previous college attendance or enrollment. A student who misrepresents information in filling out the admission application form or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions will be subject to disciplinary action, including possible dismissal from the University.

WHEN TO APPLY

The application, required credentials, and the ACT/SAT results (when applicable) must be on file in the Office of Admissions not less than twenty (20) days in advance of the session for which application is being made.

When the application, all required credentials, and the ACT/SAT results (if applicable) have been received, the Office of Admissions will provide the applicant a notice of admission status.

Transferred credit will be evaluated after the admission status has been determined. If an evaluation is received prior to registration day, the student should bring it for use during advisement. Otherwise, the student should contact the Office of Admissions upon arrival on campus for the purpose of attaining a transfer credit evaluation.

The University requires a grade average of C in all previous college work. The applications of students whose records do not meet the indicated requirements may be subject to review by the Director of Admissions or the Admissions and Credits Committee.

A student under academic suspension from another college or university may not enter The University of Southern Mississippi during the term of his or her suspension. Upon termination of the suspension period, there is no bar to admission if he or she is eligible in other ways.

In general, students under disciplinary suspension are not admitted to The University of Southern Mississippi.

Students from fully accredited institutions ordinarily will be given full credit for work transferred into the University, insofar as the courses taken are the same as, or equivalent to, courses offered in the college in which the student enrolls in this institution.

Credits transferred from an accredited community/junior college will be accepted as determined by the college in which the student is enrolled. In accepting community/junior college credits, no courses will be considered as above sophomore level.

Neither vocational nor developmental/remedial courses will be accepted for transfer credit, nor will the grades made on these courses be used in computation of the grade point average for admissions purposes. Institutional credit not based on acceptable nationally standardized tests is not transferrable for admissions nor is it applicable toward a degree.

PROBATIONARY ADMISSION FOR TRANSFER STUDENTS

Transfer applicants who meet all regular transfer requirements but who do not have a minimum 2.0 grade point average (on a 4.0 scale) may be admitted to the University on Admissions Probation if the following requirements are met:

1. Applicant must meet ACT/SAT requirements mandated by the Board of Trustees.
2. Applicant must meet all curriculum requirements mandated by the Board of Trustees (freshmen or transfer, not both).
3. Applicant's grade point average must meet the Academic Standards level cited on page 24 of this publication.

If the above criteria have been met and an applicant has been admitted on probation, the student *must* maintain the following prescribed standards to continue enrollment:

1. To "clear" Admissions Probation, the student must pass a minimum of twelve (12) semester hours with a minimum 2.5 grade point average.
2. To continue to enroll on Admissions Probation, a student must maintain a minimum 2.0 grade point average on all USM courses.

If an Admissions Probation student fails to maintain a minimum 2.0 grade point average during any term at USM while on probation, he or she will be administratively dismissed, for which there is no appeal. A student administratively dismissed must attend another accredited institution and must achieve an overall 2.0 grade point average (from all institutions of record) before he or she may be considered for readmission to USM.

A limited number of students may be admitted who have not completed transfer admission course requirements, provided the student has completed English composition and has maintained an overall 2.5 grade point average.

TRANSFER CREDITS

Credits transferred from accredited institutions are reproduced on the permanent records of the University of Southern Mississippi. This action is evidence that the credits are considered valid. **Validity**, however, is not to be confused with applicability.

Applicability of transfer work depends upon the coincidence of transfer credits with the requirements of a particular curriculum. **Applicability** varies from curriculum to curriculum, not only for transfer students from other institutions but for students transferring from one school or curriculum to another within The University of Southern Mississippi. **Applicability** is determined by the department chair and the dean of the college to which one is admitted. Transfer hours passed will be accepted. To meet graduation requirements transfer students must have an overall C average, calculated by the method currently in use at The University of Southern Mississippi, on all hours scheduled and rescheduled at all institutions attended, including The University of Southern Mississippi. Excessive quality points earned at other institutions cannot be used to offset any deficiencies at The University of Southern Mississippi. **Acceptance of community/junior college work is limited to one-half of the total requirements for graduation in a given curriculum.**

A maximum of sixty-four (64) semester hours of credit earned through Credit by Examination, independent study courses, extension courses, and educational experiences in the armed forces combined may be counted toward a degree at The University of Southern Mississippi. No more than thirty (30) semester hours in a degree program may be earned through Credit by Examination.

Credit will not be granted for courses taken at another institution while a student is enrolled at USM except upon prior written approval of the dean of the college in which the student is enrolled.

TRANSCRIPT EVALUATIONS

The Office of Admissions is charged with the responsibility of providing transferring students and their advisers with Transcript Evaluations on a timely basis. An Official Transcript Evaluation will be completed only after all the required official documents necessary to the applicant's admission to the University have been received by the Office of Admissions. For the convenience of both the student and adviser, an Unofficial Transcript Evaluation will be provided to assist in advising and in the procurement of Financial Aid and Veterans Administration benefits, etc. Any student in an "Unclear" admission status cannot be granted an Official Evaluation. However, once the "Unclear" status has been "Cleared" the Official Evaluation will then be completed and posted on the student's academic record.

Non-traditional credits awarded by another institution will be evaluated in terms of current policy at The University of Southern Mississippi. Unless the basis for awarding the credit is readily identifiable, no credit will be allowed until such time as the student, through the awarding institution, can establish the creditability of the curriculum.

ACCEPTANCE OF MILITARY CREDIT

1. Credit for military schools and educational experiences in the armed forces is awarded on the basis of recommendations of the American Council on Education.
2. Correspondence and/or extension courses, including USAFI/DANTES college level courses, may be applied toward a degree up to a maximum of thirty-two (32) semester hours. DANTES credit is allowed only for subjects where CLEP credit is accepted, with the addition of the DANTES Public Speaking test. No more than nine (9) semester hours of correspondence (USAFI) work may be earned in any one field.
3. Credit from the Community College of the Air Force is acceptable for purposes of admissions and may be used in a degree program as determined by the academic department.
4. A maximum of sixty-four (64) semester hours of credit earned by independent study, extension, and military experience combined may be applied toward a degree.
5. Evaluation of credit will be completed after actual enrollment, upon request.

REQUIREMENTS FOR MILITARY PERSONNEL: THE BOOTSTRAP PROGRAM

In order to receive an official evaluation of credits to determine eligibility for Bootstrap attendance, the following educational credentials must be forwarded:

1. A properly executed military DD Form 295.
2. Official transcripts bearing the official seal from each institution where credit has been earned.
3. Official transcripts and CLEP scores for courses completed through the United States Armed Forces Institute, Madison, Wisconsin.
4. Official high school transcript.
5. An application for admission submitted with the request for an evaluation.

All documents and correspondence should be directed to the department chair of the student's major.

REQUIREMENTS FOR SCHOOL OF NURSING, BACCALAUREATE

Students desiring admission to the School of Nursing are subject to the admission procedures of the University. A separate application form is required by the School of Nursing. (Please refer to the School of Nursing Admission section.) To be admitted to the baccalaureate nursing major, students must also meet the following minimum requirements:

1. An Enhanced ACT of 21 or above. A corresponding score on the ACT taken prior to October 1989 or the SAT.
2. A grade point average of 2.5 on courses prerequisite to the nursing major.
3. A minimum of a C in each course applicable to the nursing curriculum.

Only one natural science course may be repeated one time.

OTHER ADMISSION CATEGORIES

SPECIAL ADMISSIONS

The University has several special admissions categories for highly qualified high school students. To be considered for **EARLY ADMISSIONS**, the applicant must meet one of the two following:

A. 3.20 GPA on at least 15 College Preparatory Curriculum (CPC) units and recommendation of high school counselor or principal.
B. 3.50 GPA on completed CPC courses, and an ACT composite of 25 or the SAT equivalent, and recommendation of high school principal.

The University also offers highly qualified high school students the opportunity to earn college credits while they are enrolled in high school. Through our **DUAL ENROLLMENT** program, high school students may take one (1) course per term at the University, provided that the course does not interfere with their high school curriculum. To be Dually Enrolled, the applicant must secure a Letter of Recommendation from his or her high school counselor and must have a minimum composite score of twenty-five (25) on the ACT or the SAT equivalent. The final form of special admissions is the University's **SPRINGBOARD** program.

SPRINGBOARD is a summer program open to rising high school seniors. The applicant must have a minimum composite score of twenty-five (25) on the ACT or the SAT equivalent and a Letter of Recommendation from his or her high school counselor. For information concerning **EARLY ADMISSIONS, SPRINGBOARD**, or **DUAL ENROLLMENT**, make all inquiries to Director of Admissions, Box 5166, Hattiesburg, MS 39406-5166. Inquiries concerning **SPRINGBOARD** should be addressed to **OFFICE OF ADMISSIONS**, Box 5166, Hattiesburg, MS 39406-5166.

NON-TRADITIONAL STUDENTS

For the adult who wishes to complete certain specific undergraduate courses in a degree or non-degree status, admission may be granted through the Office of Admissions provided the applicant meets these conditions:

1. Has a high school diploma or its equivalent.
2. Is at least 21 years of age.
3. Meets acceptable grade point average requirement on transfer work.

Previous academic records are required of all applicants. Applicants for non-traditional status are required to certify that they are not under suspension from any college or university. A student found guilty of non-disclosure or misrepresentation in filling out the admission application form, or a student who finds after admission or enrollment that he or she is ineligible for academic or any other reason to return to his or her last institution and who fails to report this immediately to the Office of Admissions will be subject to disciplinary action, including possible dismissal from the University.

The student registered in non-traditional status is subject to all University regulations governing registration, attendance, and academic standing. Credit earned in non-traditional status is recorded on the student's permanent record and may be applied in an undergraduate degree program when the student has satisfactorily established degree status by meeting the entrance requirements of the University and of the degree-granting college of his or her choice. A non-traditional student may not register for more than twelve (12) semester hours per semester. Depending on admission evaluation, some students may be limited to six (6) hours per semester. Non-traditional students are ineligible for some forms of financial aid and must consult with the Office of Financial Aid if aid is needed.

A student is permitted to earn a maximum of thirty (30) semester hours of credit in non-traditional status. No undergraduate college of the University will accept in a degree program in excess of thirty (30) semester hours earned while the student has been registered in non-traditional status, nor is a college obligated to accept any hours earned in non-traditional status which do not fulfill college degree requirements. The student who is approaching the thirty (30) hour limitation in non-traditional status, if he or she wishes to continue taking courses for credit, should consult the Office of Admissions concerning procedures required to establish regular degree status.

Non-traditional students applying for regular status are required to follow admission procedures and to provide all items required of transfer students.

ADMISSION BY EXAMINATION

Students under twenty-one years of age with a General Education Development Certificate of High School Equivalency must present a GED composite score equal to the fiftieth percentile. In such cases, the applicants may be screened and directed according to the results of the ACCUPLACER. The University does not award credit for the General Educational Development Tests, College Level. For applicants over 21 years of age, see regulations governing Non-Traditional Students.

Home taught students who present an ACT Composite score of 20-24 or the SAT equivalent and a portfolio or transcript showing evidence of completion of the College Preparatory Curriculum may be screened and, if the ACCUPLACER results so direct, may be required to participate in the Summer Developmental Program. Those students who present an ACT Composite of 25 or higher or the SAT equivalent and a portfolio or transcript showing evidence of completion of the College Preparatory Curriculum may be fully admitted without further screening.

REQUIREMENTS FOR INTERNATIONAL STUDENTS

Regular University Programs

1. International students without previous records at colleges or universities within the United States must meet the requirements outlined above for admission as a freshman.
2. If English is not the native language of the student, a score of at least 525 is required on the TOEFL (Test of English as a Foreign Language).
3. Because application processing requires more time for international students, all applicants residing outside the United States must submit all application materials at least **two months** before the proposed date of entry into the University. International student applicants residing inside the United States must submit all application materials at least **one month** before the proposed date of entry into the University.
4. International students who have already attended colleges or universities within the United States must meet the requirements outlined above for admission as transfer students. The TOEFL requirement may be waived if the transfer student has successfully completed all freshman English requirements with an average of 2.0 or better.

5. A twenty-five dollar ($25.00) non-refundable fee must accompany each international student's application for admission.
6. International students applying for admission to regular university programs should send documents and correspondence to:

   Director
   Office of International Student Affairs
   The University of Southern Mississippi
   Box 5151
   Hattiesburg, MS 39406-5151
   U.S.A.

English Language Institute Programs

1. International students between the ages of 17 and 70 are eligible for admission. Students 17 years of age, however, must attach to their application a complete copy, in English, of their high school diploma or transcript.
2. Applications must include a letter from a bank or supporting agency verifying availability of funds.
3. To help assure acceptance, applicants should see that their applications are received by the University of Southern Mississippi at least 21 calendar days prior to registration for the course for which application is made. No student will be allowed to register after Tuesday of the first week of classes.
4. No application can be processed and no Immigration Form I-20 can be processed until all required materials have been received by the University.
5. A Dual I-20 Form can be issued to those students accepted by the English Language Institute and deemed academically admissible by the University. This I-20 Form enables a student to enter the University in a degree-granting program once all admission requirements have been met.

International students interested in attending the English Language Institute at the University of Southern Mississippi for intensive studies in English should direct all correspondence to:

Director
English Language Institute
Center for International Education
The University of Southern Mississippi
Box 5065
Hattiesburg, MS 39406-5065
U.S.A.

ORIENTATION

New freshmen and transfer students entering The University of Southern Mississippi are required to participate in the orientation program, USM Preview. USM Preview is designed to acquaint students with University structure, policies, procedures, physical layout, faculty, students, organizations, and academic programs. Activities scheduled during the program include the following: evaluation of credit for transfer students, placement testing, academic advisement, small group sessions, open house for organizations, scheduling of classes, and registration. Parents of entering students are also invited to attend the summer orientation program. Special sessions planned for parents include discussions about University policies, including finances, housing, student activities, educational and recreational opportunities, and academic programs.

For more information contact by mail or phone:

Office of Admissions
The University of Southern Mississippi
Box 5166
Hattiesburg, MS 39406-5166
(601) 266-5000

ADVISEMENT

All new students are assigned to academic advisers and are given specific times to meet with their advisers for assistance in scheduling classes and planning programs of study to meet their individual needs. Assignment of advisers is based on the student's stated educational or career plans.

The General Studies program, administered by the College of Liberal Arts, provides an organized plan of advisement for students undecided in their academic majors. Students who have determined an interest in a field of study outside of the College of Liberal Arts should enroll as undeclared majors within the college of that field. The Career Center provides a program of academic and career counseling for prospective students of the University.

IMMUNIZATION REQUIREMENTS

All students (including transfers) entering the University for the first time and enrolling for academic credit must document proof of immunization for measles and rubella.

1. Proof of immunization may be documented in the following manner:
   a. Obtain a Certificate of Compliance with Immunization (Form No. 121-C) from your local Mississippi State Board of Health Office, if you are a resident of the State of Mississippi. Two doses of measles vaccine are required. All international students must have a chest x-ray to screen for tuberculosis;
   b. Documentation (month and year) of immunization which was received after the first birthday;
   c. Positive measles and rubella serology titer with date;
   d. Physician-documented history of having had measles with date of disease. History of rubella is not acceptable.
2. Temporary exceptions - one semester
   a. Pregnant women;
   b. Women suspecting pregnancy;
   c. Women anticipating pregnancy within three months.
3. Permanent exceptions:
   a. Medical disease which will cause a permanent contraindication to immunization;
   b. All persons born prior to 1957.

READMISSION TO THE UNIVERSITY

Students who have previously attended the University and have a break in attendance of one or more terms must file an application for readmission. Readmission documents required include an official transcript from each institution attended since leaving USM, and, if a degree has been received from another institution, an official transcript showing that degree.

Students must meet the minimum admission standards of the University and be in good standing at all institutions attended since leaving USM in order to be eligible for readmission.

Questions concerning readmission should be directed to the Office of Admissions.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (Buckley Amendment)

The Buckley Amendment deals with one subject only: educational records. The purpose of the law is to define, more precisely than ever has been done, who may or may not see them. On the one hand, the law grants students guaranteed access; on the other hand, it takes from the universities the privilege of indiscriminate disclosure.

The Buckley Amendment sets forth these main requirements:

1. it allows a student access to each educational record that a university or college keeps on him or her;
2. it requires the institution to establish a policy on how students can go about seeing specific records;
3. it requires the institution to inform all students as to what rights they have under the Amendment, how they can act on these rights according to school policy, and how they can see a copy of the policy; and
4. it requires the institution to seek student permission, in writing, before disclosing any personally identifiable record to individuals other than professional personnel employed in the university or college (and others who meet certain specified requirements).

The University has developed and put into writing a policy for handling requests from students and for disclosing personally identifiable information about students. Students are notified of their rights under the law by publishing the University policy in the student handbook.

REHABILITATION ACT OF 1973 AND THE AMERICANS WITH DISABILITY ACT

The University of Southern Mississippi complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disability Act. No otherwise qualified handicapped person, solely on the basis of handicap, will be excluded from participation in, be denied the benefits of, or be subjected to discrimination in the administration of any educational program or activity including admission or access thereto or in treatment or employment therein by the University of Southern Mississippi. If you need assistance in reasonably accommodating a disability in the classroom or on campus please contact the Director of Disabled Student Services at 266-5024.

BULLETINS

The University of Southern Mississippi has four publications each year; the **Undergraduate Bulletin**, the **Graduate Bulletin**, the **Independent Study Bulletin**, and the **Regional Campus Bulletin**. To get the complete programs of the University, please check each Bulletin.

OAK RIDGE ASSOCIATED UNIVERSITIES

Since 1992, students and faculty of University of Southern Mississippi have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of colleges and universities and a management and operating contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education, the DOE facility that ORAU manages, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the *Resource Guide*, which is available by calling either of the contacts below.

ORAU's Member Services office seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Current alliances include the Southern Association for High Energy Physics, Pan American Association for Physics, Materials Science Forum, and international initiatives in support of the New Independent States and the republics of Central and Eastern Europe. Other activities include faculty development programs, such as the Junior Faculty Enhancement Awards and the Visiting Industrial Scientist Program, and various services to chief research officers.

For more information about ORAU and its programs, contact Dr. Karen M. Yarbrough, ORAU Council member, at 601-266-5116; or contact Monnie E. Champion, ORAU Corporate Secretary, at 615-576-3306.

RETENTION OF STUDENTS AND PROGRAM COMPLETION INFORMATION

The University will provide, upon request, information regarding student retention as well as the number and percentage of students completing specific undergraduate programs at The University of Southern Mississippi. For further information, please contact:

Office of Institutional Planning and Analysis
The University of Southern Mississippi
Box 5167
Hattiesburg, MS 39406-5167
(601) 266-4059

GENERAL ACADEMIC REGULATIONS

1. Penalties for Late Registration: Registration will continue after the close of the scheduled registration period (see Calendar) for five class days.

A late registration fee will be charged to all students registering after the scheduled registration period. The fee is fifty dollars ($50.00).

2. Change of Schedule: A student is permitted to drop a course through the 30th class day. After the 30th class day, an academic dean may grant a student permission to drop a course under extenuating circumstances, at which time the student will receive a grade of **W** or **F**.

3. Withdrawal from the University: A student withdrawing from the University prior to the deadline for dropping classes will not receive any grades. His or her record will show the date of withdrawal only. A student withdrawing after the deadline for dropping courses will receive a grade of **W** or a grade of **F**.

a. **Withdrawal Procedures**

A student finding it necessary to withdraw from the University must begin the process with the dean of his or her college who shall initiate the Withdrawal and Refund Authorization Form. A student who is undecided on a major must begin the process in the dean's office of the College of Liberal Arts where the Withdrawal and Refund Authorization Form will be initiated. The telephone registration system (S.T.A.R.S.) may not be utilized to withdraw.

b. **Refund Policy**

The withdrawal deadline for receipt of a grade has nothing to do with the refund schedule for fees. A student who officially withdraws after enrollment may obtain a refund in accordance with the refund policy on page 43 of this Bulletin.

Appeals for refunds due to extenuating circumstances may be made in writing to:

Vice President for Business and Finance
The University of Southern Mississippi
Box 5005
Hattiesburg, MS 39406-5005

4. Load of Work: The typical student load is twelve (12) to nineteen (19) semester hours. Nine (9) to fourteen (14) hours is considered a full load during the summer session. Nineteen (19) hours is the maximum load without dean of college approval.

5. Absences: Students are expected to attend all classes each time the classes meet. When it is necessary that a student be absent from a class, courtesy requires an explanation to the instructor in charge. Class attendance policy will be set by the professor. It will be the responsibility of each professor to notify his or her classes at the outset of each semester as to the attendance requirements to which each student must adhere.

6. Examinations: Examinations will be held as published in the schedule of classes. No final examinations are permitted prior to the scheduled examination period (see Calendar). A student who is absent from the final examination without valid reason approved by the Vice President for Academic Affairs forfeits credit for the semester.

7. Grading System:

A — indicates superior work and carries 4 quality points per semester hour.

B — indicates excellent work and carries 3 quality points per semester hour.

C — indicates average work and carries 2 quality points per semester hour.

D — indicates inferior work and carries 1 quality point per semester hour.

E — indicates a course in progress. Not included in the grade point average, a grade of E shall be awarded for graduate thesis, recital and dissertation courses and for such self-paced or skill courses as the Academic and/or Graduate Council may designate. An E shall be changed to a P or a valuative grade (A,B,C,D,F) only in the case of credit for thesis and dissertations and then only for the minimum hours required (usually 6 hours). Otherwise, the E remains on the record indicating that to receive credit the student must re-register for the undergraduate course, repeating it on a regular basis until completing it. Upon completion, the appropriate grade, whether P or valuative, shall be assigned.

F — indicates failure and carries no quality points. The grade of F will also be assigned if a student withdraws from the University after the deadline and has failing grades at the time of withdrawal.

W— indicates withdrawal from a course passing.

I — indicates an incomplete record and will have no immediate impact on a student's grade point average. An I should be removed within the student's next term of attendance. If an I is allowed to remain on the record, it will be treated as an "F" at the time of graduation.

N — indicates a failing grade in courses taken on a pass-fail basis (does not count in computing GPA).

P — indicates a passing grade in courses taken on a pass-fail basis (does not count in computing GPA).
X — indicates failure to drop or withdraw properly, but only before the 30th class day. It will count as an F in the student's grade point average and may not be used for a student who simply stops attending class after the drop date. Upon completion of the drop/withdrawal form by the student, the Registrar is authorized to replace the grade of **X** with a **W**.

Pass-Fail: Students may take courses either on a pass-fail basis or for a grade. The option must be exercised at the time of registration, and the option may not be altered after the deadline for adding courses. No more than thirty-six (36) semester hours earned in independent study or pass-fail courses, with a limit of eighteen (18) semester hours of pass-fail courses, may be applied toward a degree. No more than twelve (12) semester hours earned from the same department by independent study or pass-fail courses may be applied toward a degree. A student may not take a course on a pass-fail basis to repeat a course for the purpose of improving the grade point average or to remove an **Incomplete**. Such courses cannot be a part of a prescribed degree program, i.e., core requirements, major, or minor.

Audit: A student who takes a course for audit (non-credit) must meet the class in the same manner as a student regularly enrolled. Although no credit is awarded, a student who meets the instructor's requirements for a successful audit will receive an appropriate entry on his or her official record. The instructor has the right to remove a student from the final grade roster for non-attendance. The credit option (audit to credit or credit to audit) may not be changed after the deadline for adding courses. **The fee for audit is the same as if registered for credit.**

Computation of Grade Point Averages: Grade point averages are based on the number of hours undertaken rather than the number of hours passed in determining whether a student meets minimum standards. The total hours attempted, for suspension purposes, will include credit undertaken at the University and credit transferred; the grade point average will involve only credit for courses attempted at the University of Southern Mississippi.

Courses in which a student receives an **E** will not be counted in the "total hours attempted."

An undergraduate student will be permitted to repeat courses a total of six (6) times or a total of eighteen (18) semester hours in order to improve his or her grade-point average. (That is, he or she may repeat one, three-hour course six times; three, three-hour courses twice each; six, three-hour courses once each; etc.) The six-repeat rule shall include all repeats including junior college or any other college or university work. The first six (6) repeats used shall stand. Other than these "repeats" all credit attempted will be used in computing the grade point average. Courses failed at The University of Southern Mississippi may be retaken at another institution. If the course is passed at another institution, the hours will be deducted from those attempted at The University of Southern Mississippi and the initial grade will not count in the computation of the student's grade point average.

Dean's List: Students will be placed on the Dean's List if they have earned a grade point average of 3.25 or above on a minimum academic load of twelve (12) semester hours or more during fall or spring, nine (9) or more during summer, provided they have no grade of **D** or below (includes **F**, **I**, or **X**). Courses taken for pass-fail credit (P or N grades) will not be used in computing the minimum academic load or grade point average.

President's List: Students will be placed on the President's List if they have earned a grade point average of 4.0 (all A's) on a load of twelve (12) semester hours or more during fall or spring, nine (9) or more during summer, provided they have no grades of **I** or **X**). Courses taken for pass-fail credit (P or N grades) will not be used in computing the minimum academic load or grade point average.

8. Academic Standards: An undergraduate student will be allowed to continue in the University as long as the cumulative grade point average (GPA) indicated in the following scale is maintained. A higher minimum allowable GPA is sometimes specified by specific colleges within the University. In such cases, the more stringent requirements supersede those which follow.

Total Hours Attempted (Including transfer credit)	**Minimum Cumulative GPA Required** (USM work only)
0 - 16	1.50
17 - 32	1.75
33 and above	2.00

Total hours attempted will include credit taken at the University and any credit which might have been transferred. Courses in which a student has received an I, E, or Pass-Fail credit will not be counted in the total hours attempted. The GPA will be computed based only upon credits earned at USM.

If a student does not attain the minimum cumulative GPA as indicated above, he/she is placed on academic probation at the end of the term. Academic probation will be removed when the student attains the acceptable cumulative GPA as shown above. Otherwise, he/she will be placed on academic probation continued for as long as he/she earns at least a 2.00 average per term. Attaining the minimum cumulative required GPA will clear all suspension categories. The first term a student does not earn at least a 2.00 average while on academic probation continued, he/she will be suspended by the University.

A student placed on academic suspension may not enroll in any college or university without prior written approval of the dean of his/her college. Any credits earned contrary to this policy will not count toward graduation requirements. A student readmitted on academic suspension must each semester earn a GPA of at least 2.25 or attain the required cumulative GPA. A student continued on academic suspension who fails to earn a GPA of 2.25 or attain the required cumulative GPA will remain on suspension.

A student either placed on suspension or continued on suspension may register only after reinstatement through an appeal process established by the dean of the college in which he/she is enrolled as a major. Probationary status does not require an appeal for reinstatement. Notice of academic probation, academic probation continued, or suspension will be shown on the end-of-term grade report.

Any student who earns a 0.00 grade point average for any one semester with twelve (12) or more hours for fall or spring, nine (9) or more summer, will be automatically suspended regardless of the overall grade point average and must appeal the suspension in the same manner as any other academically suspended student.

9. Academic Dishonesty: When cheating is discovered, the faculty member may give the student an F on the work involved or in the course. If further disciplinary action is deemed appropriate, the student should be reported to the Dean of Students.

In addition to being a violation of academic honesty, cheating violates the Code of Student Conduct and may be grounds for probation, suspension, and/or expulsion.

Students on disciplinary suspension may not enroll in any courses offered by The University of Southern Mississippi.

10. Memorandum of Credits/Transcripts: A memorandum of credits is a statement available from the Office of the University Registrar showing the courses completed and credits earned by the student as of the date of the memorandum. Memoranda are $1.00 each. Transcripts are official memoranda of credits carrying the official seal of the University and are $4.00 each.

11. Change of Major within a College: Any student wishing to change his or her major within a college must secure the approval of the dean.

12. Change of College: A student wishing to transfer from one college of the University to another must make application to and be approved by the dean of the college he or she wishes to enter.

13. Classification of Undergraduates: A student is classified as a: Freshman when he or she has less than 27 semester hours of earned credit: Sophomore with as many as 27 semester hours but less than 54 semester hours: Junior with as many as 54 hours but less than 87 hours; Senior with 87 or more semester hours of earned credit.

14. Course Numbering: Freshman courses are numbered from 100 to 199; sophomore courses from 200 to 299; upper division courses from 300 to 499; graduate courses 500 or above. Courses taken by independent study will carry the prefix C. Honors courses carry the prefix H.

15. Course Sequence and Related Sequences: Certain 100- and 200-level courses may not be taken for credit by a student after he or she has completed higher level courses in the same subject area. Also, certain sequences of courses may not be taken for credit after a student has completed parallel courses which are similar in subject matter. Specific applications of this policy are indicated in the numbered course descriptions in the Course Description Section of this Bulletin. Selection of the courses, as well as exceptions to the policy, is left to the department chairs.

16. Credit by Examination: The University of Southern Mississippi will allow students to earn credit by examination under one or more of the following programs up to a total of thirty (30) semester hours.

Credit earned through the use of the examination will be included in the sixty-four (64) hours "Limitation of Transfer Credits" rule and may not be used to meet the thirty-two (32) hours on-campus requirement.

a. College Level Examination Program: General Examination. The University of Southern Mississippi will allow credit by examination to those students who have participated in the College Level Examination Program and who have achieved a scaled score of 500 or above (610 in English

through April, 1986). Credit will be restricted to students who have been out of high school for at least three (3) years. It will be the responsibility of the Office of Admissions to determine a person's eligibility to receive credit. A student who has earned over thirty (30) semester hours of college credit may not earn additional credit through the use of this examination. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students. Credit will be granted for successful completion of the examination in the following manner.

CLEP General Examination	Course Equivalent	Semester Hours
English Composition	ENG 101, 102	6
Social Science	History	3
	Social Sci. Elective	3
Humanities	AA 100	3
	Literature	3
Mathematics	MAT 101	3
	Mathematics Elective	3
TOTAL		24

Credit will be awarded for each area in which the student receives a scaled score of 500 or above.

b. College Level Examination Program: Subject Area Examination. A student of any age who has not earned college-level credit in the subject area in which he or she seeks credit can take a CLEP subject-area examination for advanced placement and college credit. However, in the case of foreign languages, students may earn college credit by taking the CLEP examination at the elementary or intermediate levels of Spanish, French, or German, regardless of whether the student has earned previous college level credit in that language by course work. For more details concerning foreign language CLEP credit, see Department of Foreign Languages and Literatures section of this bulletin. Credit will be awarded for a scaled score of 50 or above (a range score of 40-80 is allowed for all foreign language tests). The optional essay is required for all English examinations. The appropriate department at USM will have final determination in the amount of credit to be awarded based on the optional essay. Under this program, students are restricted to a maximum of thirty (30) semester hours, with not more than eight (8) hours or two (2) courses in one subject-matter area, except in the case of foreign languages where students may earn up to twelve (12) hours of credit or four (4) courses in a single language. (It is understood that the thirty (30) hour total includes all credit earned by examination.) The adoption of the CLEP standardized examination will preclude the use of departmental examinations except in those areas where CLEP examinations are not available. The Office of Admissions will be charged with responsibility for determining student's eligibility to earn credit through these examinations. Credit appearing on another institution's transcript will be accepted for credit only if it meets the same guidelines as those required for USM students.

Additional information, applications, and CLEP Bulletins may be secured from the Office of Admissions, Room 212, Kennard-Washington Hall, or by writing Box 5166, Hattiesburg, MS 39406-5166.

c. Advanced Placement Program: Students from cooperating high schools can earn up to twenty (20) hours with no more than eight (8) hours or two (2) courses in one subject-matter area through the College Board's Advanced Placement Testing Program. Through the 1986 AP Testing year, a score of 3 or 4 will yield three (3) hours credit; a grade of 5 will yield six (6) hours credit. Beginning with the 1987 AP Tests, a score of 2 or above will yield three (3) hours credit, and a score of 4 or 5 will yield six (6) hours credit. Departments may require higher scores. (For the AP Biology test only, a score of 3 or below will receive no credit; a score of 4 or above will receive eight (8) hours of credit). The awarding of credit will be administered by the Office of Admissions.

d. Challenge Examination: Under the following policy, and with the approval of the Vice President for Academic Affairs, departments may grant credit by examination in lieu of class enrollment for courses where no CLEP subject area examination is offered.

i. The student must be currently enrolled or must be a former student of the University.
ii. The examination must be given by the department through which the course is offered.
iii. The student must make application to the chair of the department who should be assured that the student has had some formal or informal learning experience which has prepared the student for the examination.
iv. If approval is granted, the department chair sends a memorandum by the student to the Office of the University Registrar giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security Number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.

v. The student should complete registration procedures and present the registration invoice to the department chair. (NOTE: The $10.00 per semester hour fee is assessed above and beyond any additional course-related fees paid for the term.)
vi. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

17. Validation of Previously Earned Credit (Nursing):

Under the following policy, and with approval of the Vice President for Academic Affairs, certain academic departments may allow a student to re-validate credit acquired through previous study in order to apply the credit to a current degree program.

a. The student must be currently enrolled or must be a former student of the University.
b. The examination must be given by the department through which the course is offered.
c. The student must make application to the chair of the department who will evaluate the previously acquired credit.
d. If approval is granted, the department chair sends a memorandum by the student to the Office of the University Registrar giving the student permission to register for the course(s) on an arranged basis. The memorandum should include the student's name and Social Security number, the course number(s), semester and year, semester hours of credit, and the name of the instructor.
*e. The student should complete registration procedures and present the registration invoice to the department chair. (NOTE: These fees are assessed above and beyond any additional course-related fees paid for the term.)
f. The instructor of record will receive a regular grade roster at the end of the term for recording the final grade.

18. Summary of Types and Limitations of Credit Usage:

The following is a summary of the limitations placed on credit usage:

a. Sixty-four (64) semester hours through a combination of credit by examination, portfolio, independent study, and Armed Forces experiences.
b. Thirty-two (32) semester hours by independent study (including USAFI); nine (9) semester hours in any one field.
c. Thirty (30) semester hours credit by examination (including CLEP and AP) and by portfolio.
d. Eighteen (18) semester hours of pass-fail credit.
e. Twelve (12) semester hours in the same department through a combination of independent study and pass-fail.
f. Sixty-four (64) semester hours in a senior college are required for a baccalaureate degree. Of this total forty-five (45) must be in course numbers 300-level or above and thirty-two (32) must be earned at The University of Southern Mississippi.
g. The types of credit considered as senior college work are: (1) USM, Hattiesburg; (2) USM, Gulf Park; (3) USM, Jackson County; (4) USM, Jackson; (5) Independent Study; (6) USAFI*; (7) Armed Forces experiences.*
h. Types of credit not considered senior college work: (1) Junior college transfer work; (2) CLEP; (3) USAFI**; (4) Armed Forces experience.**

*If course number evaluations are 300-level or above

**If course number evaluations are below 300-level

GRADE REVIEW POLICY

The instructor (defined as one who has the responsibility for a class, special problem, or thesis) has the authority in his or her class over all matters affecting the conduct of the class, including the assignment of grades. Student performance should be evaluated according to academic criteria made available to all students within the first two weeks of each semester. Grades should not be determined in an arbitrary or capricious manner.

When a student disagrees with the final grade given by an instructor, fair play requires the opportunity for an orderly appellate procedure. A student must initiate the appeal procedure within 30 school days (excluding Saturday, Sunday, and official student holidays) of the beginning of the semester subsequent to the one in which the grade was awarded, or 120 calendar days after the issuance of spring semester grades, should the student not be enrolled during the summer term. The procedure assures due process for both the instructor and student. For policies and procedures governing grade review, contact the dean of the appropriate college or the Vice President for Academic Affairs.

GENERAL DEGREE REQUIREMENTS

1. Choice of Catalog: Graduation requirements must be met under a catalog which is not more than six years old at the time of the student's graduation (exclude the current year's catalog in counting the six) and which carries announcements for a year during which the student earned some credit at The University of Southern Mississippi or another accredited institution of higher learning, including community/junior colleges.

2. Hour Requirements: An applicant for a degree must complete a minimum of 128 semester hours, including core requirements and major and minor requirements. Not more than nine (9) semester hours in physical education activity courses, and not more than four (4) semester hours credit in any one varsity sport may be used in meeting total hour requirements for a degree. Courses in dance are excluded from this limitation. Of the total of 128 semester hours, sixty-four (64) must be earned in a senior college, and forty-five (45) of the sixty-four (64) must be in courses numbered 300 or above.

3. Grade Point Requirement: A student must earn a grade point average of at least 2.0 (an average grade of C) based on all courses undertaken at The University of Southern Mississippi. Grades in pass-fail courses do not carry quality points.

4. Hour and Quality Point Requirements for Pre-Professional Degrees: University of Southern Mississippi students may be allowed to complete degree requirements for the Bachelor of Science or the Bachelor of Arts degree in professional, accredited schools of medicine, medical technology, dentistry, or law on the following conditions:

a. that (90) hours of credit and 180 quality points shall have been completed, with a minimum of two semesters and thirty (30) semester hours of residence at The University of Southern Mississippi;
b. that all core requirements for the degree shall have been completed;
c. that credit and quality points shall be transferred back to The University of Southern Mississippi from the accredited school of medicine, dentistry, medical technology, or law to complete requirements for the degree. A minimum of one year's work must be transferred. In any case, a minimum of 128 semester hours must be completed before the degree can be awarded;
d. that the program leading to the degree shall be completed within two calendar years of the termination of the last semester of residence at The University of Southern Mississippi.

5. Residence Hour Requirements: To become eligible for a bachelor's degree at The University of Southern Mississippi, a student must:

a. earn his or her last thirty-two (32) semester hours at The University of Southern Mississippi, of which twelve (12) semester hours must be in upper-division courses in his or her major. (Special Note—to receive the Bachelor of Science in Business Administration degree from the College of Business Administration, a student must complete the senior year's work (32 semester hours) on the Hattiesburg Campus.) This policy applies to all students, including transfer students from other colleges and universities and those students at USM, Gulf Park. The transfer student must meet the quality point requirements for work undertaken on the Hattiesburg Campus that apply to all the regular students;
b. earn at least twelve (12) semester hours of the bachelor's program on the campus from which the degree will be awarded except for the Bachelor of Science in Business Administration which requires the last thirty-two (32) semester hours on the Hattiesburg Campus;
c. earn at least twelve (12) semester hours of resident credit in the major field of study at one of the campuses of the University except for the Bachelor of Science in Business Administration which requires at least twelve (12) semester hours of senior level work in the major field on the Hattiesburg Campus;
d. recognize the limitation on Independent Study Courses: A long-standing regulation provides that students will not be permitted to do independent study while in residence. Students not attending the University during the summer session are not considered to be in residence and may enroll in independent study courses without prior approval; however, they should consult with their faculty adviser for assistance in course selections. Exceptions to this regulation can only be made with the approval of the appropriate dean and the Vice President for Academic Affairs. If a student takes an independent study course during the last semester of attendance, he or she may not register for an independent study course after leaving the campus with the expectation of completing requirements for his or her degree.

6. University Effectiveness: The University is sometimes called upon to provide information concerning the effectiveness of its academic programs. To collect this information, the University may require students to participate in testing programs or other activities as a requirement for graduation.

7. General Education Curriculum: The purpose of the General Education Curriculum is two-fold: to give all University students a common cultural experience and to extend this shared experience over a wide enough range of skills and major disciplines so that the individual student may gain a better perspective of his or her own special abilities and interests.

It is the purpose of the degree programs in the upper-level colleges to build upon the common core experience in guiding students toward majors and minors which will reflect their individual capacities and life aims.

The General Education Curriculum, common to all degree programs, is itemized below.

GENERAL EDUCATION CURRICULUM

In 1983 the Academic Council of the University embarked on a major revision of the basic curriculum required of all undergraduate students. The result of these deliberations was the General Education Curriculum (Core), as adopted in March, 1985, and effective in the Fall Semester, 1985-86. The Curriculum is subject to annual review by the Academic Council.

Each of the schools and colleges within the University has modified the General Education Curriculum in a manner befitting its own discipline. The full range of courses listed here is not applicable to all majors. Accordingly, students should consult the appropriate sections of the **Bulletin** detailing the individual college curricula.

THE PURPOSE OF GENERAL EDUCATION

The baccalaureate degree programs of The University of Southern Mississippi have two major curricular components: the General Education requirement and the more specialized major requirement. For the major field requirement, see no. 9 below. The underlying purpose of the General Education requirement is to provide intellectual breadth in the student's undergraduate education through an informed acquaintance with the fundamental branches of learning outside the student's field of specialization. The focus of general education is on the acquisition and integration of relevant knowledge; the development of intellectual skills of learning; and the enlargement and refinement of ideas, values, and aesthetic appreciations. A concomitant purpose is thereby served for many students by enabling them to refine and clarify their notions of which major might best suit their interests and talents.

General education serves as a necessary complement to specialized study by providing balance and allowing specialization to occur within a broader intellectual context. Together with program electives and study in depth in a major field, the General Education Curriculum provides a solid and shared base of general, liberal, and humanistic education for all students.

FORMAT AND OBJECTIVES

The General Education Curriculum comprises forty-six (46) credit hours divided among five categories. Forty-three (43) of these hours are designated as follows:

Category I	12 hours
II	12
III	6
IV	11
V	2

In addition students should complete at least three (3) hours of electives from Categories I, II and/or III. These hours may come from one category or from any combination of two or more categories, but no more than three (3) hours of electives may be from any one discipline.

The objectives of each of the five categories are as follows:

I. Reasoning and Communications Skills: To develop the skills necessary to locate, examine, and process information critically; to read with understanding; to listen with attention and memory; to express ideas cogently and fluently in oral and written forms; to understand the ways in which written and spoken messages influence the attitudes and behavior of others; to think critically and to reason mathematically and logically; and to handle analytic and quantitative ideas in both abstract and specific contexts.

II. **Humanities and Fine Arts:** To understand and appreciate how man gives artistic and literary expression to his version of and experience with the world; to know the seminal ideas and events that have shaped the course of western and non-western civilizations; to recognize and treat with sympathetic historical understanding the major concerns of the contemporary world; and to develop the capacity to make discriminating moral and ethical judgments.

III. **Social and Behavioral Sciences:** To acquire some understanding of the perspectives, concepts, and analytical techniques of modern social societies and cultures; to examine the social institutions in contemporary society—how they work and how they affect human behavior; to appreciate the physical, intellectual, emotional, social, and moral development of mankind; to analyze interpersonal relationships and group processes; and to understand the methods by which we gain and apply knowledge of society to ourselves.

IV. **Natural and Applied Sciences:** To acquire knowledge and understanding of basic concepts, principles, theories, and interrelationships of the natural sciences; to understand mathematical and experimental methods of sciences as a way of thinking, inquiring, and acting; to appreciate the complex interrelationship between science and its applications and human affairs; to recognize other forms of life with which we share the planet earth; and to acknowledge the fundamentally limited resources which the earth offers, both of materials for use and of receptacles for waste.

V. **Human Wellness:** To understand and apply conceptual knowledge of nutrition, health, and fitness in the development and maintenance of human wellness; and to understand the value of reducing the risk of physical and psychological disorders.

Honors courses may be substituted for University Core courses at the discretion of the academic dean of the student's program and the dean of the Honors College for those students who qualify to enroll in such courses.

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs through the department chair and college dean.

SUMMARY OF THE GENERAL EDUCATION CURRICULUM

Category	I: **Reasoning and Communications Skills**	12-15 hrs.
	English Composition	6 hrs.
	College Algebra (or higher level mathematics course)	3 hrs.
	Communications	3 hrs.
	*Electives	0-3 hrs.
Category	II: **Humanities and Fine Arts**	12-15 hrs.
	Fine Arts	3 hrs.
	World Literature	3 hrs.
	World Civilization	6 hrs.
	*Electives	0-3 hrs.
Category	III: **Social and Behavioral Sciences**	6-12 hrs.
	Social and Behavioral Sciences	6 hrs.
	*Electives	0-3 hrs.
Category	IV: **Natural and Applied Sciences**	11 hrs.
	Laboratory Sciences	8 hrs.
	Electives	3 hrs.
Category	V: **Human Wellness**	2 hrs.
	Food and Nutrition	1 hr.
	Health and Physical Fitness	1 hr.
		TOTAL: 46 hrs.

*At least three (3) hours of electives should be chosen from Categories I, II, and/or III.

COURSES APPLICABLE TO THE GENERAL EDUCATION CURRICULUM

Category I (12-15 hrs.)

English Composition (6 hrs.)

ENG	101	Writing One
ENG	102	Writing Two

College Algebra (or higher level mathematics courses) (3 hrs.)

MAT	101	(College Algebra) or any higher numbered mathematics course except MAT 210, 310, 370, and 410.

Communication (3 hrs.)

SCM	111	Oral Communication
SCM	305	Interpersonal Communication
SCM	320	Business and Professional Speaking
SCM	330	Small Group Communication

Category I Electives (0-3 hrs.)

Computer Science

CSC	100	Introduction to Computing
CSS	240	Fortran Programming
CSS	330	Introduction to Programming
CSS	333	Problem Solving Using C, I

Foreign Language

FRE	101	Beginning French I
FRE	102	Beginning French II
GER	101	Beginning German I
GER	102	Beginning German II
GRK	101	Beginning Greek I
GRK	102	Beginning Greek II
ITA	101	Beginning Italian I
ITA	102	Beginning Italian II
JPN	101	Beginning Japanese I
JPN	102	Beginning Japanese II
LAT	101	Beginning Latin I
LAT	102	Beginning Latin II
RUS	101	Beginning Russian I
RUS	102	Beginning Russian II
SPA	101	Beginning Spanish I
SPA	102	Beginning Spanish II

Logic

PHI	253	Introduction to Logic
PHI	458	Symbolic Logic

Mathematics

MAT	101	(College Algebra) or any higher numbered mathematics course except MAT 210, 310, 370, and 410.

Speech Communication

SCM	111	Oral Communication
SCM	305	Interpersonal Communication
SCM	320	Business and Professional Speaking
SCM	330	Small Group Communication

Category II (12-15 hrs.)

Fine Arts (3 hrs.)

Allied Arts		
AA	100	Allied Arts
Art		
ART	130	Art Appreciation
Dance		
DAN	107	Dance Appreciation
Music		
MUS	365	Enjoyment of Music
Theatre		
THE	100	Theatre Appreciation

World Literature (3 hrs.)

ENG	203	World Literature

World Civilization (6 hrs.)

HIS	101	World Civilization I
HIS	102	World Civilization II

Category II Electives (0-3 hrs.)

American Studies

AMS	304	Issues in America
AMS	404	Issues in America

Comparative Religion

REL	131	Comparative Religion

Foreign Language

FRE	101	Beginning French I
FRE	102	Beginning French II
GER	101	Beginning German I
GER	102	Beginning German II
GRK	101	Beginning Greek I
GRK	102	Beginning Greek II
ITA	101	Beginning Italian I
ITA	102	Beginning Italian II
JPN	101	Beginning Japanese I
JPN	102	Beginning Japanese II
LAT	101	Beginning Latin I
LAT	102	Beginning Latin II
RUS	101	Beginning Russian I
RUS	102	Beginning Russian II
SPA	101	Beginning Spanish I
SPA	102	Beginning Spanish II

History

HIS	140	United States to 1877
HIS	141	United States since 1877

Literature

ENG	200	Introduction to Drama
ENG	201	Introduction to Fiction
ENG	202	Introduction to Poetry
ENG	350	British Literature I
ENG	351	British Literature II
ENG	370	American Literature I
ENG	371	American Literature II
HUM	233	Greek Literature and Culture
HUM	253	Roman Literature and Culture
HUM	310	French Literature
HUM	320	German Literature
HUM	340	The Italian Renaissance
HUM	370	Spanish Literature

Music

MUS	332	American Music

Philosophy

PHI	151	Introduction to Philosophy

Category III (6-12 hrs.)

Social and Behavioral Sciences (6 hrs.)

Anthropology

ANT	101	Introduction to Anthropology
ANT	221	Cultural Anthropology

Economics

ECO	201	Principles of Economics I
ECO	202	Principles of Economics II

Geography

GHY	101	World Regional Geography
GHY	102	Introduction to Geography
GHY	331	Cultural Systems in the Environment
GHY	341	World Political Geography

Political Science

PS	101	American Government
PS	220	Introduction to Political Science
PS	331	Introduction to International Politics
PS	425	American Political Theory

Psychology

PSY	110	General Psychology
PSY	375	Developmental Psychology

Sociology

SOC	101	Introduction to Sociology
SOC	240	Social Problems
SOC	314	The Family

Category III Electives (0-6 hrs., with no more than three hours from any one discipline)

Anthropology

ANT	101	Introduction to Anthropology
ANT	221	Cultural Anthropology

Business Administration

BA	100	Introduction to Business

Community Health Sciences

CHS	101	Personal Wellness

Economics

ECO	201	Principles of Economics I
ECO	202	Principles of Economics II

Family Studies

FAM	151	Personal Development and Interpersonal Relations

Geography

GHY	101	World Regional Geography
GHY	102	Introduction to Geography
GHY	331	Cultural Systems in the Environment
GHY	341	World Political Geography

Health and Physical Education

HPR	200	Leisure and Recreation in Society

Political Science

PS	101	American Government
PS	220	Introduction to Political Science
PS	331	Introduction to International Politics
PS	425	American Political Theory

Psychology

PSY	110	General Psychology
PSY	375	Developmental Psychology

Sociology

SOC	101	Introduction to Sociology
SOC	240	Social Problems
SOC	314	The Family

Category IV (11 hrs.)

***Laboratory Science (8 hrs.)**

AST	111/111L	General Astronomy
AST	112/112L	General Astronomy
BSC	103/103L	Biological Sciences
BSC	110/110L	Principles of Biological Sciences I
BSC	111/111L	Principles of Biological Sciences II
BSC	250/250L	Human Anatomy and Physiology I
BSC	251/251L	Human Anatomy and Physiology II
BSC	281/281L	Microorganisms in Food
CHE	106/106L	General Chemistry I
CHE	107/107L	General Chemistry II
CHE	104/104L	Chemistry, Principles and Applications
CHE	251/251L	Elementary Organic Chemistry
GLY	101/101L	Physical Geology
GLY	103/103L	Historical Geology
GLY	151/151L	Introduction to Ocean Science
MAR	151/151L	Introduction to Ocean Science
PHY	103/103L	Introductory Physics
PHY	111/111L	General Physics
PHY	112/112L	General Physics
PHY	201/201L	General Physics with Calculus
PHY	202/202L	General Physics with Calculus

(Category IV: Elementary Education and Special Education Majors Only)

FS	131/131L	General Physical Science I
FS	133/133L	General Biological Science I
FS	135/135L	Earth and Environmental Science

*Category IV Electives (3 hrs.)

Natural Science

ANT	241	Introduction to Physical Anthropology
AST	111/111L	General Astronomy
AST	112/112L	General Astronomy
BSC	103/103L	Biological Sciences
BSC	110/110L	Principles of Biological Sciences I
BSC	111/111L	Principles of Biological Sciences II
BSC	250/250L	Human Anatomy and Physiology I
BSC	251/251L	Human Anatomy and Physiology II
BSC	281/281L	Microorganisms in Foods
CHE	106/106L	General Chemistry I
CHE	107/107L	General Chemistry II
CHE	104/104L	Chemistry, Principles and Applications
CHE	251/251L	Elementary Organic Chemistry
GLY	101/101L	Physical Geology
GLY	103/103L	Historical Geology
GLY	151/151L	Introduction to Ocean Science
MAR	151/151L	Introduction to Ocean Science
PHY	103/103L	Introductory Physics
PHY	111/111L	General Physics
PHY	112/112L	General Physics
PHY	201/201L	General Physics with Calculus
PHY	202/202L	General Physics with Calculus

Applied Science or Technology

EET	110/110L	Introduction to Electric Circuits
ENT	330	Applied Thermal Science I
ENT	430/430L	Solar Heating and Cooling
ESC	301	Living in the Environment
FN	362	Nutrition
GHY	325	Applied Physical Geography
PSC	191	The Polymer Industry I, II
PSC	291	The Polymer Industry III, IV

Mathematics

MAT	102	Finite Mathematics and Introduction to Calculus
MAT	103	Plane Trigonometry
MAT	136	Applied Calculus for Engineering Technology I
MAT	137	Applied Calculus for Engineering Technology II
MAT	167	Calculus with Analytic Geometry I
MAT	168	Calculus with Analytic Geometry II
MAT	169	Calculus with Analytic Geometry III
MAT	178	Differential and Integral Calculus with Analytic Geometry I
MAT	179	Differential and Integral Calculus with Analytic Geometry II
MAT	312	Applied Calculus for Business and Social Sciences
MAT	314	Calculus for the Arts and Sciences

*Science requirements and electives must not overlap in course content. For example, a student cannot take both BSC 103/103L and BSC 110/110L, or both CHE 101/101L and CHE 104/104L.

Category V (2 hrs.)

Food and Nutrition (1 hr.)

FN	167	Nutrition for Living

Health and Physical Fitness (1 hr.)

HPR	105	Concepts in Physical Fitness

8. Exemption from the General Core Requirements: A student may be granted a personal exemption from a University core course if he or she is able to demonstrate mastery of the course material. The latter can be achieved for any core course in one of the following three ways. The student may have taken an equivalent course through the College Entrance Examinations Board's Advanced Placement Testing Program before entering USM or may pass an appropriate CLEP examination or a departmental challenge examination on the relevant course material. The detailed procedures and regulations regarding these three methods of obtaining up to thirty hours credit toward a degree at USM are described in Section 15 of the General Academic Regulations of the University in this Bulletin.

Requests for exemptions and substitutions for the requirements of the General Education Curriculum should be addressed to the Vice President for Academic Affairs.

9. Major Field Requirements: All graduates of USM are required to complete specialized study in a single discipline, which the student elects as his or her "major." The major serves two main purposes: it provides intellectual depth in the student's undergraduate education through concentrated study in his or her chosen field; and it gives the student the fundamental knowledge necessary to practice professionally and/or pursue advanced study in that field. Because of the varying demands of the many disciplines, specific requirements for each major are determined by the faculty of the appropriate discipline. Generally, the student must complete a set number of hours in the discipline, usually one-quarter to one-half of the total hours required for a degree, and must maintain the minimum University G.P.A. for these major courses (see no. 11 below). Other requirements may include: the completion of specified courses, course sequences, and/or course distributions; the completion of a concentration or emphasis (further specified coursework, producing greater specialization) within the major; the completion of a minor in another discipline; the maintenance of a higher discipline-designated G.P.A. for all or part of the major courses; juried or public performances; field work, teaching practice, and other training programs; and any other course, standard, or training which, in the opinion of the discipline's faculty, is necessary to achieve the purposes of the major field requirement. The student should consult the appropriate description and PACE Degree Plan in this Bulletin for information on each discipline's requirements for a major.

10. Minor Field Requirements: In addition to the major, the student may (or, if required by his or her major program, must) also choose a minor field of specialization. The minimum hours required for a minor are eighteen semester hours, in which the student must maintain the minimum University G.P.A. for minor courses (see no. 11 below). The specific requirements for each discipline's minor are indicated in the appropriate description in this Bulletin. Since advisement for the minor is conducted by the minor discipline, the student should consult with the faculty of the minor discipline.

11. Grade Point Requirement for the Major and Minor: A student must have a grade point average of at least 2.0 (C) in the major field and in the minor field on courses taken at The University of Southern Mississippi.

A transfer student's work done in the major and minor fields in another institution must average at least 2.0 to be applicable toward the major and minor requirements at The University of Southern Mississippi. If the transferred work does not average at least a **C**, the student must remove any deficiencies in that part of the major and minor credit being transferred. Transferred deficiencies may be removed by: (a) repeating at The University of Southern Mississippi a sufficient number of courses on which grades of **D** were transferred and, thereby, raising the grades in those courses to the level required for a **C** average or (b) striking from the transferred transcript courses in the major or minor field with grades of B and taking additional courses in the major or minor at the upper division level to meet the University's degree requirements.

12. Application for Degree: A student is expected to file an application for a degree one (1) semester before degree requirements are completed, and an application will be accepted no later than the published deadline (see Calendar). This application filed with the Office of the University Registrar will show the work completed by the student and the courses planned for the ensuing semester. Filing in advance of the proposed graduation date will allow time for checking the application and also allow the student time for making up deficiencies found in the degree program. Each student has final responsibility to ascertain that he or she has complied with all applicable catalogue requirements for graduation. Faculty advisers assist students in developing their programs, but these advisers cannot, of their own accord, waive or vary degree requirements as they appear in the University Bulletin. After the application has been approved by the academic department, it becomes the student's official degree program. Students graduating in the Honors College must submit the Honors College Attachment to the Application for Degree.

No application for degree will be accepted until the degree fee has been paid at the Business Office. Application forms may be obtained in the college office of the dean.

13. Degrees with Honors: Students with exceptional academic records may be awarded degrees with honors or highest honors. A degree with honors will be granted to a student who maintains a grade point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a grade point average of 3.8 or more. Graduation with Latin designations will be granted to students who complete the requirements for Senior Honors in the Honors College. As an alternative to Senior Honors, graduation **cum laude** will be granted to students who meet the following stipulations: (a) the satisfactory completion of a comprehensive examination in the major field, such examination to be designed and administered by the department involved; (b) the satisfactory completion of a senior project resulting in a written report on that project meeting guidelines based on those presently in effect for Senior Honors projects; (c) notice of intent to meet these requirements must be filed with the department chair/school director at least one calendar year prior to graduation; and (d) an overall grade point average of 3.25 to 3.49. Graduation **magna cum laude** will be granted to students who meet the following stipulations: (a), (b), and (c) above, and (d) an overall grade point average of 3.50-3.79. Graduation **summa cum laude** requires (a), (b), (c), and (d) an overall grade point average of 3.80 or above.

14. Second Baccalaureate Degree: Students who have earned a baccalaureate degree may be granted by The University of Southern Mississippi a second baccalaureate degree based upon requirements of an applicable catalog, provided the program for the second degree includes at least thirty-two (32) semester hours in residence with at least sixty-four (64) quality points (equivalent to a 2.0 average on a 4.0 scale). The actual number of hours to be taken which may exceed thirty-two (32) as well as the specific degree requirements will be established by the academic department responsible for the area of study in which the second baccalaureate is sought. In all cases, a 2.0 grade point average is required. The thirty-two (32) semester hours must be related to a specific major separate from the first major, and the thirty-two (32) semester hours must be completed after the first degree requirements are met.

Students enrolled in a second degree program may be allowed to repeat a total of six (6) semester hours in order to improve the grade point average.

PACE
Programmed Academic Curriculum Evaluation

From the point of advisement in the academic department through the filing of the application for a degree, the University utilizes PACE, a Programmed Academic Curriculum Evaluation system. Each semester the student's record (transcript) is evaluated by the computer to verify progress toward completion of the degree in his or her declared major. PACE Degree Plans are discussed in the narrative for each department within this Bulletin.

THE STUDENT COMMUNITY, CAMPUS LIFE, AND ACTIVITIES

DEPARTMENT OF RESIDENCE LIFE

The Department of Residence Life feels very strongly that the educational benefits for residence hall students extend far beyond the classroom experience. Every effort is made to offer on-campus students the opportunity to take part in cultural, scholastic, athletic, and social programs developed by the residence hall staff. In addition, residence hall students experience cross cultural living experiences which help promote open-mindedness, tolerance, and leadership - a philosophical goal of Residence Life.

All residence halls are fully air conditioned with the capacity of offering diversified housing options to an on-campus population of 3,420 students. Hillcrest and Mississippi for women, and Elam Arms, Hattiesburg, and Vann for men, are arranged in suite fashion with 4-6 students sharing a bath. Bolton, Hickman, Jones, Pulley, Scott, and Wilber (Panhellenic) for women, and Bond and Roberts for men, are arranged traditionally with baths conveniently located on each floor.

Application for campus housing should be made at the time of application to the University. Residence hall assignments for upperclass students are made based on date of application. Freshmen students are assigned randomly to freshmen halls. However, the application is for accommodation in the residence halls and not for a specific roommate or specific hall. Assignment of a student to a residence hall can only be made after pre-payment and a signed rental agreement have been received by the Department of Residence Life by the stated deadline. Priority deadline for residence hall space is March 1. Applications received after March 1 will be processed based on space availability.

All residence hall students are required to sign a rental agreement which encompasses both fall and spring semesters of an academic year. Should a student fail to return a signed rental agreement and pre-payment by the designated date, the student will be automatically cancelled, losing residence hall priority.

Cancellation of the rental agreement can be made in cases of marriage, graduation, withdrawal, co-oping, student teaching, or interning. Notification of cancellation must be made in writing by the designated deadlines. Cancellations received after the deadlines will result in forfeiture of the entire pre-payment amount. Students who have not cancelled by their designated deadline and are planning to enroll at the University with paid pre-payment and signed contracts will be held to the terms and conditions of the academic year residence hall rental agreement.

Applications for campus housing should be mailed to:

Department of Residence Life
Box 5064
Hattiesburg, MS 39406-5064

The Department of Residence Life accepts applications for housing assignments regardless of age, race, creed, color, or national origin. In compliance with the Civil Rights Act of 1964 and University policy, housing assignments will not be made on a segregated basis.

Family Housing

Pine Haven Apartments, consisting of two hundred and ninety-six (296) one-two-and three bedroom unfurnished units, are available for married students and single and married students with custody of children. Apartment priority is based on the date of application and/or occupancy.

The rent is due and payable at registration. Students obligate themselves to the full fee for one semester's rent when they move in, unless they withdraw from the University. A deposit of $75.00 is required at the time of application. Refund of rent due to withdrawal from the University is followed according to the University tuition refund schedule. Cancellation of the rental agreement must be made forty-five (45) days prior to the semester of cancellation. Notification of cancellation after the deadline obligates students to payment of rent for the following semester if enrolled, or forfeiture of deposit if not enrolled. Applications and brochures may be secured at the Pine Haven Office or by writing the Department of Residence Life.

FOOD SERVICES

The Department of Food Services serves tasty and nutritious meals seven days a week during all school terms. Choices include: two entrees, assorted vegetables and desserts, and self-service salad and drink bars. In addition, a lite line, a deli-line, and a variety line are offered in the University Commons. Dining services are also available in Hillcrest and Elam Arms. Students on a 5-Day or 7-Day Basic Meal Plan may choose where to dine on a meal to meal basis.

ALL STUDENTS LIVING IN A RESIDENCE HALL OR A FRATERNITY HOUSE ARE REQUIRED TO PURCHASE A 5-DAY OR A 7-DAY BASIC MEAL PLAN.

A Snack Plan may be added to a Basic Meal Plan. It may be used at Seymour's, I Can't Believe It's Yogurt and Java Coast Coffees, Seymour's Plaza Express, and Seymour's Atrium Cafe. The Snack Plan may also be used to supplement a 5-Day Basic Plan and allows for occasional weekend meals in the Commons.

Seymour's, I Can't Believe It's Yogurt and Java Coast Coffees, Seymour's Plaza Express, and Seymour's Atrium Cafe offer a variety of snacks, short orders, and beverages. Purchases at these establishments are a'la carte.

A Commuter Plan is available for off-campus students. This plan operates much like a checking account. Each time a purchase is made, the amount of the purchase is deducted from the balance. With a Commuter Plan, meals at the Commons, Elam Arms, and Hillcrest are purchased at a discounted price. The Commuter Plan may be used in all the dining facilities on campus.

All meal plans may be purchased during registration or at the Food Services office located in the Commons.

MEAL TICKET EXEMPTIONS

Meal ticket exemptions are allowed only for those students with modified diets which cannot be prepared by the University Food Services and for those students with internships which conflict with cafeteria serving hours. Those students who may qualify for an exemption should make arrangements for an evaluation **PRIOR TO REGISTRATION.** However, those not arranging for an evaluation prior to registration should go to the Food Services Office in the University Commons

after registering for classes. Those students who have not completed the requirements for a meal ticket exemption prior to registration will be charged for a meal ticket during the registration process. As a result of the extensive serving hours in the University Commons, work-related exemptions will not be permitted.

Medical Exemptions

Those students with a medical problem requiring a modified diet who feel their needs cannot be met by the University Food Services should make arrangements to have their diet evaluated by the registered dietitian before registration. Documentation required for this evaluation includes a prescription signed by a physician which specifies the student's modified diet and a copy of the modified diet. The University Commons offers a special diet program or weight watchers. The line caters to weight watchers as well as to those students with medical problems which require special diets.

Academic Related Exemptions

Requirements:

A student must miss a minimum of fifty percent of meals served per week. The meals missed must be due to an internship.

Documentation Required:

1. A statement, on letterhead stationery, signed by the student's adviser, giving the student's hours, on a daily basis, Monday through Friday.
2. A copy of the student's Advisement and Registration Appointment Form which shows the student's class schedule.

Work Related Exemptions

University Policy DOES NOT allow for meal ticket exemptions for students holding part-time or full-time employment.

HEALTH SERVICES

The USM Health Service Center (Clinic) can provide the student with the same services available at a family doctor's office. The Clinic provides a wide range of services, including laboratory testing, x-ray, and a pharmacy. The Clinic is staffed by several competent physicians and nurse practitioners. The Clinic is located on the West side of Kennard-Washington Hall. During the Fall and Spring semesters, the Clinic hours are 8 a.m. to 5 p.m. Monday through Friday.

USM Health Service Center is accredited by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO). For more information call 266-5390 or 266-5378.

AUTOMOBILES ON CAMPUS

Students, employees, and frequent visitors of the University are required to purchase parking permits to register their automobiles with the University Police Department. Temporary permits are issued when a vehicle is to be on the campus less than fourteen days. Parking zones have been established along with other regulations. A brochure which details traffic and parking regulations may be secured from the University Police Department. Penalties are assessed for violations of regulations.

STUDENT EXPENSES

The University of Southern Mississippi is supported chiefly by legislative appropriations. Increases in student fees are put into effect only when public support funds are inadequate and no other recourse is available. Increases are made only for support of the institution or improvement of the activity program of the students; **therefore the University must reserve the right to increase or modify fees and expenses without prior notice but with approval of the Board of Trustees of State Institutions of Higher Learning.**

Fees and expenses are in the form of general tuition, room and board, and special fees.

GENERAL TUITION. This fee, together with the allocation from the legislative appropriation, is used for general support of the University. Athletic activities and UAC programs are not included for part-time students.

Full-time students for purposes of assessing fees are those who take nine (9) or more semester hours in Graduate School and twelve (12) or more semester hours in all other colleges during fall and spring semesters. During summer terms, seven (7) or more semester hours for Graduate School and nine (9) or more semester hours in all other colleges constitute full-time students for purposes of assessing fees. Undergraduate students enrolled for more than nineteen (19) semester hours

during fall and spring semesters and for more than fourteen (14) semester hours during the summer term will be assessed the applicable fee for each additional semester hour. Graduate students enrolled for more than thirteen (13) semester hours during fall and spring semesters and for more than fourteen (14) semester hours during the summer term will be assessed the applicable fee for each additional semester hour.

Clinical and hospital services covered by the health service charge included in the general tuition fee are limited to cases of ordinary illness. Services are provided within the limits of the professional, technical, and physical resources of the Clinic. The University does not assume responsibility in cases of extended illness or for treatment of chronic diseases. Cases requiring surgery must be handled by a physician and hospital of the student's choice and at the student's expense.

BOARD. Board fees are assessed to all students living in the residence halls and fraternity houses. Board is available to all other students on an optional basis. Students may choose from a seven-day or five-day meal plan. Students with a basic meal plan may dine at the Commons, Elam Arms, Hillcrest, and occasionally at Seymour's. Every meal includes unlimited seconds and unlimited use of the beverage and salad bars. Commuter and Snack meal plans are also available.

TELEPHONE SERVICE. Telephone service in residence halls and family student housing is provided through the University telephone system. The cost of local telephone service is included as a part of housing rent. For long distance service, students may use the University's system by completing an application at the Campus Telephone Office, Hub Building, Room 104. Long distance telephone authorization and a caller identification number will then be issued. Long distance calls are billed to the student on a monthly basis. Charges must be settled prior to leaving the University (including graduation, withdrawal, and semester breaks).

POST OFFICE BOX. The post office box fee is assessed for all students living in University-controlled housing. Fees are assessed on a semester basis for Spring, Fall, and Summer. Those students living off campus may rent a post office box if they so desire.

STUDENT ID CARDS. The ID card is a PERMANENT card for each student. The Fall Semester (permanent) ID card will also be used for Spring and Summer Semesters each year by revalidation. The same card must be kept, re-validated and used even when returning from a previous year or semester. Do not destroy, lose, bend or tamper with an ID card. Only one card will be issued at no charge during a five (5) year period. A fee of $10.00 will be charged at the time a replacement card is made.

OTHER FINANCIAL INFORMATION. One-half of a student's total fees are due and payable at time of registration. Students with University loans, grants, or scholarships may use those funds as payment for the first half of total fees. Loans, grants, scholarships and checks made payable to the University must be applied to fees in full before a refund or change can be given. Fees deferred past the last day to register each term will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance.

The University accepts payment by check, money order, cash, Visa and Mastercard credit cards. The University reserves the right to refuse payment by check where an individual has previously given a check that has been returned.

The University reserves the right to withhold readmission of a student until all delinquent accounts have been paid. In fact, all past due accounts will be included on registration fee invoices and monthly bills. Transcripts of credits will not be issued for students whose accounts are delinquent. All fees must be paid before a degree will be awarded.

Fines accumulated as a result of failure to adhere to the established procedures of the University, such as Library and Public Safety regulations, or any other policy establishing regulations for the protection of University property, shall become collectable by the Business Office, and, if not collected, shall constitute a delinquent account.

A fee of $50.00 will be assessed students who register during the late registration period.

Students whose checks for registration fees are returned will be assessed the late registration fee of $50.00 in addition to the $6.00 returned check handling fee. Returned checks not promptly paid may result in dismissal from the University.

The $13.00 activity fee assessed to part-time students consists of a non-refundable $5.00 fee allocated to registration expenses, a $6.00 allocation to the Payne Center, a $1.00 allocation to the University Union, and a $1.00 allocation to the Cook Library. A $3.50 per hour fee for use of the University Clinic by part-time students is included in the per hour fee shown below.

Courses requiring special fees and music fees are shown in the Special Fee listing and are indicated by a plus sign in the Course Description Section of this Bulletin.

EXPENSES EACH UNIVERSITY SEMESTER/SESSION
(All fees are subject to change without notice.)
FIXED FEES

	FALL, SPRING SEMESTERS	SUMMER SESSION
FULL-TIME STUDENTS		
General Tuition (Includes Activity Fees)	$1,234.00	$846.00
Housing Rent:		
Hillcrest, Elam Arms, Mississippi, Hattiesburg and Vann	700.00	475.00
Roberts, Scott, Jones, Pulley, Bolton, Wilber, Hickman and Bond	625.00	425.00
Pine Haven Apartments		
1-bedroom	823.00	557.00
2-bedroom	873.00	591.00
3-bedroom	923.00	624.00
Board:		
5-day plan	540.00	330.00
7-day plan	600.00	360.00
Other Fees When Applicable		
Non-Resident Fee (This fee is in addition to the tuition fee above.)	1,410.00	196.00
*Post Office Box (per semester)	10.00	
PART-TIME STUDENTS—Each semester hour		
General Tuition—graduate student	116.00	116.00
General Tuition—undergraduate student	88.00	88.00
Activity Fee—(per student)	13.00	13.00
Non-resident fee (In addition to General Tuition):		
Graduate student	157.00	28.00
Undergraduate student	117.00	21.00

*Non-refundable. Optional to students living off campus. Assessed: $10.00 Fall, $10.00 Spring, $10.00 Summer.
General tuition, room, board, and post office, if applicable, are payable each semester/session.

SPECIAL FEES AND EXPENSES

Departmental Fees:

HPR all Equestrian Education courses	50.00 per course
HPR 180	15.00 per course
HPR 300	65.00 per course
HPR 380	40.00 per course
MUP 103, 106, 113, 116, 119, 122, 125, 128, 131, 134, 137, 140, 143, 146, 149, 152, 155, 158, 163, 166, 169, 193, 303, 306, 313, 316, 319, 322, 325, 328, 331, 334, 337, 340, 343, 346, 349, 352, 355, 358, 363, 366, 369, 393	35.00 per semester hour
NSG 427	15.00 per course
NSG 361, 362, 363	35.00 per course + 2.00 per hour
Student Teaching	20.00 per course

Music Fees—Private lessons for other than full-time music majors and for music majors taking private lessons not required for the degree being pursued:

Each semester hour per instructor	35.00
Orchestral or Band Instrument rental	15.00 per semester
Locker Rental	5.00 per semester

Honors College	
Fee for binding thesis	10.00 each copy
Reading Center, Individual Remedial Instructions:	
Special Student (non-credit)	40.00 per semester
Complete Reading Diagnosis	50.00 with written report
Re-evaluation	5.00
Speech and Hearing Clinic Services: (no fees for full-time students)	
Speech and Language Evaluation	40.00 each
Speech and Language Therapy (Individual)	
2 fifty-minute sessions per week	312.00 per semester
3 fifty-minute sessions per week	468.00 per semester
Speech and Language Therapy (Group)	
2 fifty-minute sessions per week	156.00 per semester
3 fifty-minute sessions per week	234.00 per semester
Language Group	25.00 per month
Audiometric-Complete except for special tests	25.00 per hour
Hearing Aid Evaluation	25.00 per hour
Impedance Tests	25.00 per hour
Special Tests	25.00 per hour
Ear Mold Impressions	9.50 each
Lipreading/Auditory Training	12.00 per hour
ENG Testing	65.00 each
Examinations and Graduation:	
Challenge Examination per examination	10.00 per semester hour
Revalidation Examination	2.00 per semester hour
Special Examination	3.00 when applicable
Graduation Fee-Bachelor	40.00 with application
	for degree
Certificate	2.75 when applicable
Registration and Records:	
Cooperative Education Program	25.00 when applicable
Late Registration	50.00
Evaluation Fee for Foreign Students	
(Non-refundable)	25.00 with application
ID Replacement	10.00
Memorandum of Credits	1.00 each
Transcript of Credits	4.00 each

CONTINUING EDUCATION AND RESIDENT CENTERS

Off-Campus Center	
Undergraduate Course	83.00 per semester hour
Graduate Course	111.00 per semester hour
Registration (per student)	5.00
Resident Center—laboratory fee	6.00 per course
Resident Center—typing fee	5.00 per course
Extension Center	
Undergraduate Course	83.00 per semester hour
Graduate Course	111.00 per semester hour
Registration (per student)	5.00
Independent Study Courses	65.00 per semester hour
High School Independent Study Course	50.00 per half unit

Special fees are not normally refundable. However, requests for refunds of special fees will be based on circumstances existing at the times of requests.

REFUND POLICY

(Room and board fees, tuition, out-of-state fees, student fees, book charges and special fees.)

A student who officially withdraws after enrollment may obtain a refund based on the following schedule:

Withdrawal prior to the first day of classes of any term	100% less a $25 withdrawal fee.

Commencing with the first day that day classes meet each term:

Fall and Spring Semesters.

The first through the fifth working day	100% less a $25 withdrawal fee.
The sixth through the fifteenth working day	75%
The sixteenth through the thirtieth working day	50%
After the thirtieth working day	None

S and SS Fall and Spring Semesters.

Prior to and including the last day to register for or add S and SS courses	100% less a $25 withdrawal fee.
The next five working days	75%
The next ten working days	50%
After the 50% period	None.

Fall, Winter, Spring and Summer Terms

The first through the fifth working day	100% less a $25 withdrawal fee.
The sixth through the tenth working day	75%
The eleventh through the twentieth working day	50%
After the twentieth working day	None.

S and SS Summer Term.

Prior to and including the last day to register for or add S or SS courses	100% less a $25 withdrawal fee.
The next five working days	75%
The next five working days	50%
After the 50% period	None.

Refunds are based on the assessment and not upon the amount paid by the student. The refund schedule above applies to students who drop to an hourly load below full-time or from an overload to full-time or below.

The $5 registration fee is non-refundable.

Appeals for refunds due to extenuating circumstances may be made in writing to: Vice President for Business and Finance, Box 5005, Hattiesburg, MS 39406-5005.

Students who find it necessary to withdraw from the University must submit written requests to the deans of their colleges who shall initiate the Withdrawal and Refund Form. Those students who are undecided as to their majors must begin the process in the dean's office of the College of Liberal Arts where the Withdrawal and Refund Authorization Form will be initiated.

RESIDENCE STATUS

LEGAL RESIDENCE OF STUDENTS: The definitions and conditions stated here are as required by state law in the classification of students as residents or nonresidents for the assessment of fees. Requests for a review of residency classification should be submitted to the University Registrar; forms for this purpose are available from the Office of the University Registrar.

A MINOR: The residence of a person less than twenty-one years of age is that of the father. After the death of the father, the residence of the minor is that of the mother. If the parents are divorced, the residence of the minor is that of the parent who was granted custody by the court; or, if custody was not granted, the residence continues to be that of the father. If both parents are dead, the residence of the minor is that of the last surviving parent at the time of that parent's death, unless the minor lives with a legal guardian of his or her person duly appointed by a proper court of Mississippi, in which case his or her residence becomes that of the guardian.

AN ADULT: The residence of an adult is that place where he or she is domiciled, that is, the place where he or she actually physically resides with the intention of remaining there indefinitely

or of returning there permanently when temporarily absent. Adult students who are residing outside of the State of Mississippi, but whose parents have moved to this state and have become residents, must establish residence in their own right. In determining residence for tuition purposes of persons who return to Mississippi after temporary departures such as school attendance, work elsewhere, or military service, cognizance is taken for evidence showing continuity of state residence and demonstrated intent to return to the state.

REMOVAL OF PARENTS FROM MISSISSIPPI: If the parents of a minor who is enrolled as a student in an institution of higher learning move their legal residence from the State of Mississippi, the minor is immediately classified as a nonresident student.

TWELVE MONTHS OF RESIDENCE REQUIRED: No student may be admitted to the University as a resident of Mississippi unless his residence, as defined herein above, has been in the State of Mississippi for a continuous period of at least twelve months immediately preceding his or her admission.

A student who has lived within the state for twelve months following his or her twenty-first birthday may establish residence in his or her own right by showing that he or she is living in the state with the intention of abandoning his or her former domicile and remaining in the State of Mississippi permanently or for an indefinite length of time. Intent may be demonstrated or disproved by factors including, but not limited to, filing of Mississippi income tax returns, eligibility to vote in Mississippi, motor vehicle registration in Mississippi, possession of a Mississippi operator's license, place of employment, and self support.

RESIDENCE STATUS OF A MARRIED PERSON: A married person may claim the residence of his or her spouse.

CHILDREN OF PARENTS WHO ARE EMPLOYED BY THE UNIVERSITY: Children of parents who are members of the faculty or staff of the University may be classified as residents without regard to the residence requirement of twelve months.

MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI: Members of the armed forces on extended active duty and stationed within the State of Mississippi may be classified as residents, without regard to the residence requirement of twelve months, for the purpose of attendance at the University. Resident status of such military personnel who are not legal residents of Mississippi, as defined above under LEGAL RESIDENCE OF AN ADULT, shall terminate upon their reassignment for duty in the continental United States outside the State of Mississippi.

CHILDREN OF MILITARY PERSONNEL: Resident status of children of members of the armed forces on extended active duty shall be that of the military parent for the purpose of attending the University during the time that their military parents are stationed within the State of Mississippi and shall be continued through the time that military parents are stationed in an overseas area with last duty assignment within the State of Mississippi, excepting temporary training assignments en route from Mississippi. Resident status of minor children shall terminate upon reassignment under permanent change of station orders of their military parents for duty in the continental United States outside the State of Mississippi, excepting temporary training assignments en route from Mississippi.

CERTIFICATION OF RESIDENCE OF MILITARY PERSONNEL: A military person on active duty stationed in Mississippi who wishes to avail himself or herself or his or her dependents of the provisions of the paragraph titled MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI must submit a certificate from his or her military organization showing the name of the military member, the name of the dependent, if for a dependent, the name of the organization of assignment and its address (may be in the letterhead), that the military member will be on active duty stationed in Mississippi on the date of registration at the University; that the military member is not on transfer orders; and the signature of the commanding officer, the adjutant, or the personnel officer of the unit of assignment with signer's rank and title. A military certificate must be presented to the Registrar of the University each semester at (or within ten days prior to) registration for the provisions of the paragraph MILITARY PERSONNEL ASSIGNED ON ACTIVE DUTY STATION IN MISSISSIPPI, named above, to be effective.

LEGAL RESIDENCE OF A FOREIGN STUDENT: Students with permanent immigrant status or refugee status can establish residence in the state by meeting the provisions of the Mississippi Statute.

PETITIONS FOR CHANGE OF RESIDENCY: Petitions for change of residency must be made on or before the last day of late registration. Forms are available in the Office of the University Registrar.

STUDENT FINANCIAL AID

The following information is a summary of the financial aid program. At press time, the Federal Government was making many changes in the program. For further information and application forms, write to:

Financial Aid Office
The University of Southern Mississippi
Box 5101
Hattiesburg, MS 39406-5101

APPLICATION DEADLINE

To receive full consideration, all required information must be received by March 15. Late applications will be accepted and considered as funds permit.

TYPE OF FINANCIAL AID PROGRAMS AVAILABLE

The Financial Aid Office has the responsibility of administering major areas of financial assistance. These areas will be listed in three categories—loans, grants and scholarships, and student employment. Space will not permit description of each program in detail. Further information may be obtained by contacting the Financial Aid Office.

A. LOANS

1. **Federal Perkins Loan Program**
   The Federal Perkins Loan Program is for students who are enrolled fulltime in a participating post-secondary institution and who need a loan to meet their educational expenses.
   Repayment begins nine months after graduation or leaving school for other reasons. Students may be allowed up to ten (10) years to pay back the loan. During the repayment period five (5) percent interest is charged on unpaid balance of the loan principal.
   There are loan cancellation provisions for borrowers who go into certain fields.
2. **Chester P. Freeman Loan Fund**
   Established in 1981, this fund assists needy students to meet their tuition, fees, and book costs to attend USM. Priority for the loan will be given to second, third, and fourth years students enrolled in the School of Nursing. The loan is repayable beginning one year after graduation or leaving the University. The interest rate during repayment is three (3) percent simple interest.
3. **Federal Stafford Loan**
   Federal Stafford Loans are low-interest loans made to students attending school at least half-time. Loans are made by a lender such as a bank, credit union, or savings and loan association. These loans are insured by the guaranty agency in each state and reinsured by the federal government. This loan must be repaid.

   Students can qualify for a Federal Stafford Loan based on financial need or regardless of need — that is, regardless of their or their family's income. It is possible for a student to have a Federal Stafford Loan partly based on financial need and partly not on need.

   Undergraduate students can borrow up to $2,625, $3,500, or $5,500 per year depending on their year in college and eligibility. Graduate students can borrow up to $8,500 per year depending on eligibility.

   Payments normally begin six (6) months after graduation or when the borrower ceases to be at least a half-time student, and students may be allowed up to ten (10) years to repay the loan. In most cases students must pay at least $600 a year unless circumstances as agreed upon with the lending institution warrant a lesser amount. Repayment may be deferred if the student borrower returns to school full time at an eligible institution or is pursuing a course of study in certain approved graduate study.

B. GRANTS

1. **Federal Pell Grants.**
   The Federal Pell Grant Program makes funds available to eligible students attending approved colleges, community/junior colleges, vocational schools, technical institutes, hospital schools of nursing, and other post-high school institutions.
   Students may apply for a Federal Pell Grant if they are first time undergraduate students.

The amount of the award is based on the determination of eligibility and the cost of attendance at the school. The grants range from $400 to $2,300.

2. **Federal Supplemental Educational Opportunity Grants** (SEOG)
   The Federal Supplemental Educational Opportunity Grant Program is for students of exceptional financial need who, without the grant, would be unable to continue their education. Students must be enrolled full-time as undergraduate or vocational students in an educational institution participating in the program. Graduate students are not eligible. An SEOG cannot be less than $100 a year.
3. **State Student Incentive Grant** (SSIG)
   The State of Mississippi through a matching grant program with the Federal Government provides grants to full-time undergraduate students who are residents of the State of Mississippi. Recipients must demonstrate substantial financial need and show academic promise. Grants may range from $200 to $1,500 per academic year. Selection of recipients is made by the Financial Aid Office.
4. **University Scholarships** (These scholarships are subject to change without notice.) The following awards are available to entering students and continuation is subject to satisfactory progress.
   a. **Schillig-Baird, Pulley-Pulley Gough, and Presidential Scholarships:** Pulley-Pulley Gough, Schillig-Baird and Presidential Scholars are selected by the President of The University of Southern Mississippi. A select number of students will be invited to compete for these awards. (Scholarship recipients must enroll in the Honors College). The value of the award is $20,000 for in-state students. The Pulley-Pulley Gough and Schillig-Baird Scholarships are awarded from special endowments made available for Presidential Scholarships.
   b. **Olliphant Scholarships:** Olliphant Scholarships are designated for Honors College students who demonstrate an outstanding record of leadership, a commitment of service to society, and an exemplary record of academic achievement. Olliphant Scholars will receive a stipend of $3,000, to be awarded over the four years at USM.
   c. **Honors Scholars:** Awards of Honors College Scholarships are competitive and are based on an excellent record of achievement on the ACT (or SAT) and in high school classes, with attention to Honors, AP, and other rigorous courses completed; high school and community activities; honors and achievements; counselor and teacher recommendations; and an essay. Honors scholarships are in the amount of $100 per semester for up to $800 for students completing both General and Senior Honors. Recipients shall enter the Honors College. Applications may be obtained by writing Honors College, Box 5162, Hattiesburg, MS 39406-5162.
   d. **Valedictorian/STAR Student Scholarships:** Valedictorians or STAR students from a public or private school may be awarded $100. The recipient must be designated as the valedictorian or STAR student of the graduating class and must enroll at USM during the fall semester immediately following his or her high school graduation. The scholarship will be paid fall semester of the freshman year only. Applications may be obtained by writing the Office of Admissions, Box 5166, Hattiesburg, MS 39406-5166.
   e. **Academic Excellence Awards:** First time entering freshmen who are National Merit/National Achievement Semi-Finalists or who have an ACT composite score of 32 or above and a high school GPA of 90 or above are eligible for an $8,000 award payable at the rate of $2,000 per year. First time entering freshmen who have an ACT composite score of 30-31 and a high school GPA of 90 or above are eligible for a $5,000 award, payable at the rate of $1,250 per year. Students with an ACT composite score of 28-29 and a high school grade point average of 90 or above are eligible for a $3,000 award payable at the rate of $750 per year. First time entering black freshmen who have an ACT composite score of 25, 26 or 27 and a high school grade point average of 90 or above are eligible for a one time award of $2,000 payable at the rate of $1,000 per semester. A student is eligible to receive these scholarships during only the fall and spring semesters for four consecutive years. Out of state tuition will also be waived. He or she must be a full-time student (minimum of twelve (12) credit hours) and maintain a GPA of 3.0 to continue receiving the award.
   f. **USM Sponsored Merit Awards:** The University will recommend that National Merit Finalists indicating USM as their college choice be awarded these scholarships. Merit Awards are equivalent to $2,000 over a four year period.
   g. **Leadership Scholarships:** Recipients are selected based on achievements both in and outside the classroom. A selected number of applicants will be invited to interview for $8,800 awards.

h. **Community/Junior College Leadership Awards:** Mississippi Community/Junior College students nominated by their respective institutions will be invited to compete for awards, up to $4,800.

i. **Community/Junior College Presidential Award:** Scholarships of $500 are awarded at the discretion of the Community/Junior College President (within Mississippi).

j. **Community/Junior College Transfer Achievement Awards:** Community/junior college transfer students who are Phi Theta Kappa members and who have a 3.50 GPA or above on at least 54 semester hours of community/junior college work are eligible for a $1,400 award, payable at the rate of $700 per year.

Information concerning these scholarships and scholarship applications may be obtained from the Office of Admissions, Box 5166, Hattiesburg, MS 39406. Students must be enrolled full-time to receive these awards.

5. **Upperclass General Academic Scholarships:** Scholarships are available each year to upperclass students based upon general academic achievement, leadership, major field of study, financial need, and other stipulations which may be imposed by the donor. Applications must be made each academic year for these scholarships. The value of these awards ranges from $100 to $1,400 per academic year. Applications may be obtained by writing the Director of Financial Aid, Box 5101, Hattiesburg, MS 39406-5101.
6. **Alumni Scholarships:** Scholarships representing payment of non-resident fees only may be available to non-residents of the State of Mississippi. Award is contingent on a parent being an active contributing alumni member and the student's achieving an ACT composite score of at least 21. Continuation is subject to the student maintaining at least a current GPA of 2.5 or better. Apply to: Alumni Association, Box 5013, Hattiesburg, MS 39406-5013.
7. **Regional Scholarships:** A limited number of awards are available to non-residents of the State of Mississippi. This scholarship represents a waiver of non-resident fees only. These awards are based upon ACT scores. Applications may be obtained by writing; Director of Financial Aid, Box 5101, Hattiesburg, MS 39406-5101. March 15th is the priority date for applications.
8. **Service Scholarships:** These scholarships are available in art, athletics, dance, music, theatre etc. Service scholarships are based upon skill and performance in such endeavors as music and athletic ability. Applications can be obtained by writing: Dean, College of The Arts, Box 5031, 39406-5031; for Athletic scholarships write Athletic Director, Box 5017, Hattiesburg, MS 39406-5017.

C. STUDENT EMPLOYMENT

1. **Federal Work-Study Program**
   The Federal Work-Study Program is authorized under Title IV of the Higher Education Act of 1965 as amended. The primary purpose of the Federal Work-Study program is to stimulate and promote part-time employment for students. The program also seeks to encourage students receiving Federal student financial assistance to participate in community service activities that will benefit the community and the nation. The program is designed for those students who are in need of earnings to pursue their course of study at USM. Primary consideration is given to students with the greatest financial need.
2. **Student Employment On-Campus**
   The University also employs students who are not eligible to receive Federal work-study. Jobs are posted as they become available. Contact the Student Employment Office, Kennard-Washington Hall, for additional information.
3. **Student Employment Off-Campus**
   The Student Employment Office makes available many types of off-campus part-time jobs with businesses in the surrounding area. Referrals are made on an individual basis to jobs matching the students' qualifications and schedule.

SATISFACTORY ACADEMIC PROGRESS POLICY

In order to receive and maintain federal financial assistance, students are required to progress satisfactorily toward completion of their course of study. Federal financial assistance includes grants, student loans, and employment. Satisfactory Academic Progress is measured primarily in three ways:

1. students must progress qualitatively by earning the required minimum grade point average,
2. students must progress quantitatively by completing the required minimum number of credits each semester or term, and
3. students must complete their program of study within a reasonable time period.

Qualitative Measure

The Financial Aid Office strictly adheres to the academic standards presently established by The University of Southern Mississippi and printed in the current University **Bulletin**. Students who have attempted up to a total of 16 semester hours must earn a 1.5 cumulative grade point average. Students who have attempted up to a total of 32 semester hours must earn a 1.75 cumulative grade point average. Students who have attempted 33 or more total hours must earn and maintain a 2.00 cumulative grade point average. Total hours attempted will include credit taken at the University and any credit transferred from another institution. Grade point averages, however, are based solely upon credits earned while enrolled at USM. Minimum acceptable academic standards are also represented in the table below.

Total Hours attempted (Including Transfer Credit)	Minimum Cumulative GPA Required (USM work only)
0-16	1.50
17-32	1.75
33 and above	2.00

If a student does not attain the minimum grade point average, she or he is placed on financial aid probation at the end of the academic semester or term. A student may be placed on financial aid probation for failure to meet minimum academic progress requirements for up to a total of three semesters or terms. Should the student fail to attain the minimum acceptable grade point average as shown above for total hours attempted for a fourth semester or term, the student will be placed on financial aid suspension.

A student placed on financial aid suspension is ineligible for any federally funded financial aid programs until she or he returns his or her grade point average to the minimum required level.

Quantitative Measure

Students receiving financial aid must also complete a minimum number of credits each semester or term. The following minimums have been established.

Undergraduate: At the end of each semester during which aid is received, undergraduate students taking six (6) or more hours must pass a minimum of six (6) semester hours. Undergraduate students enrolled during a summer term must pass at least four (4) semester hours.

Graduate: Graduate students must pass at least four (4) hours each semester. Graduate students enrolled during a summer term must pass at least three (3) semester hours.

Passing grades include A, B, C, D, E, and P. Grades of I, F, Audit, X, and W will not be accepted as passing grades. Students failing to meet this quantitative measure of academic progress will be placed on financial aid probation. A student may be placed on financial aid probation for failure to meet minimum academic progress requirements for up to three terms. Should the student fail to complete the minimum number of credits for a fourth semester or term, the student will be placed on financial aid suspension and will be ineligible for federal financial assistance.

Maximum Length of Time to Complete Course of Study

Students must complete degree requirements within a normal time frame, and the following maximums have been established.

Undergraduate: A first time undergraduate student shall be deemed in good standing and eligible to receive federal financial aid until she or he has attempted 170 hours. Students who have attempted more than 170 hours must present a Programmed Academic Computer Evaluation sheet (PACE) to the Financial Aid Office for review. Students will be granted additional financial assistance only for courses included on the PACE sheet until the student attempts up to 150% of the number of hours normally required to complete degree requirements.

Graduate: Graduate students shall be deemed in good standing and eligible to receive federal financial assistance until they have attempted twice the number of hours normally required to complete their program of study leading to a master's or doctoral degree.

Second Degree Undergraduate: Students who have already earned a baccalaureate degree and are now seeking a second undergraduate degree will be eligible to receive federal financial assistance for up to 206 undergraduate hours attempted. Students who have attempted more than 170 hours must present a Programmed Academic Computer Evaluation sheet (PACE) to the Financial Aid Office for review. Students will be granted additional financial assistance only for courses included on the PACE sheet until the student attempts up to 206 hours.

Second Degree Graduate: Graduate students pursuing an additional Master's degree will be limited to a maximum of 120 graduate hours. This total includes all graduate hours accumulated. Once a student earns a specialist degree he/she shall be eligible for additional financial assistance only at the doctoral level; once a student earns a doctoral degree he/she shall be ineligible for additional federal financial assistance.

ADDITIONAL POLICIES

Full-Time Status

Students receiving Federal Perkins Loan, Federal Work-Study, Federal Supplemental Grant, Federal Pell Grant, and State Grant funds as full-time students are expected to maintain full-time enrollment status. Students failing to remain full-time throughout the enrollment period shall be granted probation for up to three semesters or terms. Students failing to remain full-time a fourth semester or term shall be placed on financial aid suspension and ineligible for additional federal financial assistance until they enroll at least half-time at their own expense and complete all courses attempted and earn the minimum required grade point average.

Transfer Students

Students transferring into the University shall be assumed to be maintaining satisfactory academic progress. Hours transferred from prior schools will be considered when establishing class standing for grade requirements, as well as when determining the maximum number of hours allowed to receive financial aid.

Remedial Courses

The University's policy on remedial courses is currently being revised. Please contact the Financial Aid Office for current details.

Audit Courses

Courses taken for audit do not count for credit or graduation and, therefore, are not counted in determining eligibility for receiving or maintaining financial aid.

Repeats

A limit of six (6) courses or a total of eighteen (18) semester hours will be permitted as repeats without affecting financial aid eligibility.

Cooperative Education

Students are not considered as enrolled for credit hours during the terms they are employed and therefore are ineligible to receive financial assistance. Co-op students are, however, considered enrolled for purposes of deferring prior loans during periods of co-op.

Simultaneous Measurement

Academic transcripts of financial aid recipients will be reviewed at the end of each semester or term to insure that the student simultaneously meets all the minimum Satisfactory Academic Policy requirements stated above. Students are eligible for a grand total of three probationary periods throughout their enrollment.

Appeals

Students who have their aid suspended may appeal that suspension ONLY for one of the following reasons:

Death of an immediate family member. Immediate family member includes parent, spouse, sibling, or dependent child.

The extended illness of the student. Extended illness is defined as a documented chronic or recurring medical or emotional illness that causes the student to be absent from class at least ten class days.

The extended illness of an immediate family member that places a hardship on the student. Immediate family member includes parent, spouse, sibling, or dependent child.

Students should request a Financial Aid Appeal Form from the Financial Aid Office and submit it along with all supporting documentation to:
Financial Aid Office
The University of Southern Mississippi
Box 5101
Hattiesburg, MS 39406

Appeals will be evaluated by the Financial Aid Office, and students will be notified of their eligibility or ineligibility for continued financial assistance.

Students whose appeals are denied by the Financial Aid Office must enroll at USM at least half time until they have removed the deficiency that caused them to be placed on financial aid suspension.

Refunds

Students withdrawing from the University during the refund period who receive federal financial aid must return a portion of any refund to the financial aid programs from which aid was disbursed. The method of returning funds to financial aid programs shall be calculated using the current federal financial aid refund policy in conjunction with the University Refund Policy.

Repayment

When students receive cash above their direct educational expenses (tuition, fees, books, University board and room), they are expected to use those funds to meet non-institutional education costs. Should a student withdraw during the University refund period, the student must return that portion of any cash disbursement that could not have reasonably been used to meet educational expenses. The portion that must be returned is a repayment. The University's Repayment Policy coincides with the applicable federal and University refund policy.

ROTC SCHOLARSHIP PROGRAM

See the Military Science and Aerospace Studies sections of this Bulletin for information on two-year, three-year, and four-year ROTC scholarships.

MARINE OFFICER PROGRAMS

Qualified students may apply for an officer program leading to a commission as a Second Lieutenant in the United States Marine Corps. Commissions are offered in both ground and aviation components. The Platoon Leaders Course (PLC) is offered to freshmen, sophomores, and juniors who attend precommissioning training during the summer. Financial assistance and Flight Indoctrination Programs are available. Qualified seniors attend twelve weeks of training in the Officer Candidate Course (OCC) after graduation. For details, contact the Placement Officer or the Marine Officer Selection Officer when he is on campus.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI FOUNDATION

The University of Southern Mississippi Foundation is a non-profit organization that functions as the depository and fiduciary of private gifts to The University of Southern Mississippi. The University of Southern Mississippi Development Office is charged with the responsibility of raising necessary funds to support the academic programs. Additionally, the Development Office is responsible for the administration of the Foundation. Overall guidance and policies for the Foundation are determined by a Board of Directors composed of alumni and friends of the University.

Programs designed to raise funds for the academic programs include:

Annual Fund
Eagle Club
Honor Club
Planned Giving
Corporate and Foundation Support

These programs encourage support, in the form of private donations, for academic and athletic scholarships.

The primary role of the Foundation is to support the University in its role of teaching, research and service. The assistance takes many forms including scholarships, library support, professorships, faculty chairs, equipment, etc.

Scholarships receive the largest share of annual expenditures. They are awarded according to the guidelines agreed upon by both the donor and the Foundation. While the Foundation receives and manages the funds, the awarding of scholarships is made by the University Scholarship Committee in cooperation with the Financial Aid Office.

ALUMNI ASSOCIATION

Annual

PAST PRESIDENTS: NOT AVAILABLE AT THIS TIME

Endowed

*ALUMNI PUBLICATIONS EDITOR ASSISTANTSHIP: Scholarship for student help for the Alumni Publications Editor to be chosen by the Director of Alumni Affairs and the Alumni Publications Editor.

*POWELL AND FRANCES OGLETREE: To an outstanding junior student in the Student Alumni Association (SAA) for use during their senior year. Recommended by the Alumni Association and vote of SAA membership. NOT AVAILABLE AT THIS TIME

**Recipient to be chosen by the Alumni Association.*

COLLEGE OF THE ARTS

Annual

*COLLEGE OF THE ARTS: Awarded by the College of The Arts: MUSIC, ART, THEATRE AND DANCE.

*HILDA AND GEORGE McGEE ANNUAL MUSIC SCHOLARSHIP: To provide a scholarship to an undergraduate or incoming freshman, majoring in symphony or piano, with priority given to a student who demonstrates financial need and maintains a minimum 3.0 gpa. A recipient may retain the scholarship for their four years of undergraduate work if all criteria are continually met.

*WEEZIE ORY MYERS DANCE SCHOLARSHIP: To provide an annual scholarship for a student in dance.

*EDDIE AND CAROLYN PETRO: To students with financial need majoring in music, art, theatre, or dance.

*BILL PORTER VOICE AWARD: Outstanding junior in voice, entering his/her senior year.

*TATUM DEVELOPMENT CORP.: To a full-time student at USM, U.S. citizen, entering freshman with an ACT of 21 or above, or SAT of 860 or above, community/junior college

transfer with at least a 3.0 gpa on a 4.0 scale with at least 54 hours of community/junior college work, 3.0 gpa on 4.0 scale for students currently enrolled at USM or other universities. There will be 10 annual full tuition scholarships awarded each year, one (1) will be awarded by the College of The Arts and one (1) will be awarded by the College of Business Administration. The other eight (8) will be awarded by any college.

*TIFFANY DIANNE THOMAS MEMORIAL ANNUAL SCHOLARSHIP: To provide a scholarship to a graduate of Madison Central High School who has been accepted to USM and is majoring in music (preferably a band student).

Endowed

*JEFF AND JEANNIE GAIL BOWMAN: Award to a capable and deserving student who is majoring in art upon the recommendation from that area.

*DEWEY CAMP: To a capable and deserving band student, preferably from a rural community. NOT AVAILABLE AT THIS TIME

*BEN M. CARMICHAEL: Award to a capable and deserving student in the College of The Arts.

*JIM CLINTON DANCE AWARD: To provide an award to an outstanding dance student.

*DR. J. P. AND VIRGINIA CULPEPPER ARTS ENDOWMENT: To provide a scholarship for a capable and deserving student with financial need enrolled in the College of The Arts. NOT AVAILABLE AT THIS TIME

*CHARLIE AND LORITA FINNEGAN ENDOWMENT IN THE ARTS: To provide a scholarship for deserving and financially needy student majoring in music or art.

*LOUIS GERTLER SCHOLARSHIP ENDOWMENT: To provide an annual scholarship to a deserving student at the junior or senior level majoring in the College of The Arts. Selection to be made by a faculty committee in the theatre department. NOT AVAILABLE AT THIS TIME

*ELMO AND MARY GLENN HARRISON GUITAR SCHOLARSHIP: To a guitar major, junior or senior, or good student in academic standing. Student should have positive attitudes, high morals, with financial need.

*GILBERT HARTWIG: Capable and deserving theatre student.

*SELMA KRELL: Students in the department of theatre and dance.

*GEORGE AND HILDA MCGEE ENDOWED MUSIC SCHOLARSHIP: To provide a scholarship to an undergraduate or incoming freshman majoring in symphony or piano, with priority given to a student who demonstrates financial need and maintains a minimum 3.0 G.P.A. A recipient may retain the scholarship for their four years of undergraduate work if all criteria are continually met. NOT AVAILABLE AT THIS TIME

*RAYMOND MANNONI: To award scholarship annually to two voice students.

*FRANK EARL MARSH: To provide scholarships for talented and needy students in the department of music. NOT AVAILABLE AT THIS TIME

MYRTLE WILLIAM MILLER: Students with high interest and potential in the Arts with preference to Chi Omega Sorority member. NOT AVAILABLE AT THIS TIME

*MS GULF COAST CRAFTSMAN GUILD: Students studying in the area of art, pottery, plastics, woodwork, etc.

*BOB AND JUDY MIXON: To provide unrestricted support to the College of The Arts.

*JOHN P. AND ELLENE C. MOSELEY ENDOWMENT: To provide unrestricted scholarship support to the College of The Arts.

*JOE BARRY MULLINS: Graduate student in music.

*KATHRYN SWETMAN PAGE: Student from Harrison County majoring in music.

*MORAN McLELLAND POPE: To students from Marion County who demonstrate need, above average scholarship, and major in the College of The Arts.

*CHARLES AND ANITA PRICE: To provide scholarship money to a capable and deserving student with financial need. NOT AVAILABLE AT THIS TIME

*MAUDE SHERROD: To provide a scholarship to a student majoring in the Arts from Neshoba County, MS.

*MABLE VE. SHANNON SILVER: Awarded to capable and deserving student(s) in the School of Music recommended by a faculty committee.

*MR. AND MRS. JAMES SIMRALL, JR. ARTS ENDOWMENT: To supplement expenses of visiting performers, artists, and scholars, and for major exhibits sponsored by the College of The Arts of the University of Southern Mississippi.

*MARTHA TATUM THEATRE SCHOLARSHIP: To provide scholarship funds to a capable and deserving theatre student who has financial need.

*DR. NANCY O'NEIL TATUM MUSIC SCHOLARSHIP: To provide scholarship funds to a capable and deserving student enrolled in the College of The Arts who has financial need. NOT AVAILABLE AT THIS TIME

*TIFFANY DIANNE THOMAS MEMORIAL SCHOLARSHIP: To offer a scholarship on an annual basis to a graduate of Madison Central High School who has been accepted to attend USM and major in music. If there are none for any given year, then the scholarship will be awarded to a Madison Central High School graduate who will attend the College of The Arts at USM. NOT AVAILABLE AT THIS TIME

*JUNE ROSS VARDAMAN VIOLIN/CHAIR/ORCHESTRA ENDOWMENT: For an orchestra chair in violin. NOT AVAILABLE AT THIS TIME

*THAD AND GERRY WAITES MUSIC SCHOLARSHIP ENDOWED: To provide scholarships to financially needy, capable, and deserving students in the College of The Arts. NOT AVAILABLE AT THIS TIME

FRED A. WAITS ENDOWED: Students in the College of The Arts.

MARY LILLIAN PETERS WHITTEN MUSIC: Scholarships to students studying music in the College of The Arts. NOT AVAILABLE AT THIS TIME

**Recipient to be chosen by the College of The Arts.*

ATHLETIC DEPARTMENT

*PAT FERLISE FOOTBALL ATHLETIC SCHOLARSHIP: To provide a scholarship in football to defensive lineman through the Eagle Club.

*THE M/M "SMOKIE" HARRINGTON TENNIS ENDOWMENT: To provide scholarship(s) to capable and deserving tennis athlete(s) through the Eagle Club. The student(s) is/are to be selected by the head tennis coach. Should the Big Gold Tennis Tournament be reactivated, monies from this would help defray those costs. NOT AVAILABLE AT THIS TIME.

*MICKEY HUDSON BASKETBALL ATHLETIC SCHOLARSHIP: To provide scholarship(s) to capable and deserving men's basketball student athlete(s) through the Eagle Club. The student(s) is/are to be selected by proper athletic department personnel. NOT AVAILABLE AT THIS TIME

*ELIZABETH NEWELL PAYNE LADY EAGLE ENDOWMENT: To provide a scholarship(s) to a capable and deserving Lady Eagle athlete(s). The student(s) is/are to be selected by a committee of Lady Eagle coaches. NOT AVAILABLE AT THIS TIME

**Recipient to be chosen by the Athletic Department.*

COLLEGE OF BUSINESS ADMINISTRATION

Annual

*SHARON BENTZ GRADUATE ANNUAL SCHOLARSHIP: To a female graduate student majoring in business from the Coast (Biloxi, Gulfport, Long Beach, Ocean Springs, Pass Christian).

HANCOCK BANK: Junior or senior, residing in Hancock or Harrison County, majoring in business administration.

LAUREL FEDERAL SAVINGS AND LOAN ASSOCIATION: Student in the College of Business Administration who resides in Jones, Wayne, Jasper, Covington, Smith, Simpson, or Perry county and who needs financial assistance.

MORRIS MARKETERS - DBA - SHELL - KENTUCKY FRIED CHICKEN: To provide a scholarship to a deserving student with financial need who is a resident of Forrest or Lamar County and is enrolled in the College of Business Administration.

*MUNRO PETROLEUM: To provide a full academic scholarship annually, with preference given to the five South Mississippi Counties, based on financial need and academic merits.

Designated to the College of Business Administration with consideration given to employees of Munro Petroleum and their dependents.

NEWMAN LUMBER COMPANY OF GULFPORT: To children of employees of Newman Lumber Company or capable and deserving students from the Coast majoring in the College of Business Administration.

UNION PLANTERS BANK: To a junior or senior enrolled in the College of Business Administration with special consideration being given to a deserving African-American student.

*TATUM DEVELOPMENT CORP.: To full-time students at USM, U.S. citizen, entering freshman with an ACT of 21 or above, or SAT of 860 or above, community/junior college transfer with at least a 3.0 gpa on a 4.0 scale with at least 54 hours of community/junior college work, 3.0 gpa on a 4.0 scale for students currently enrolled at USM or other universities. There will be 10 annual full tuition scholarships awarded each year, one (1) will be awarded by the College of The Arts and one (1) will be awarded by the College of Business. The other eight (8) will be awarded by any college.

TRUSTMARK BANK: Children of Trustmark employees below the level of Senior Vice President, based on either need and/or academic achievement as determined by the scholarship committee, maintaining a 2.5 or equivalent overall gpa. If no employee meets eligibility, award to a junior or senior in Banking and Finance based on need and/or academic achievement. Recipient must maintain a 3.0 or equivalent gpa.

*WEST GULF COAST BOARD OF REALTORS: To provide an annual scholarship to a worthy real estate student whose residence is within the board's jurisdiction.

Endowed

*ALFRED AND DORIS BREELAND: For use by the College of Business Administration for scholarships and/or awards to worthy junior and senior students, with preference given to accounting majors. The award of funds should not be limited to "needy" students, as we believe students benefit from recognition even when financial need is not a consideration.

*RICHARD H. CLARK, JR.: Student in the College of Business Administration.

*EXXON ACCOUNTING SCHOLARSHIP: Awarded annually by the Kenamond Scholarship Committee to the accounting major selected by the committee. Selection criteria to be chosen annually by the committee.

*ATLEY GRAHAM MEMORIAL SCHOLARSHIP: Capable and deserving student enrolled in the College of Business Administration with an emphasis in economics. Students must have completed a minimum of 60 hours and are to be selected by a committee from the College of Business Administration.

W. B. HARLAN: Award to a young man of character and intelligence in need of a scholarship and majoring in business administration.

*HATTIESBURG BOARD OF REALTORS: Real estate majors with preference to residents of Forrest, Marion, Covington, Perry, or Stone county.

CHARLES AND MARTY HERRIN: To a student in the College of Business Administration based on need.

KRANDALL HOWELL: To provide a student from McComb, Summit, Magnolia, MS, in the College of Business Administration and also a member of the Student Alumni Association.

JACKSON RAPID DELIVERY SERVICE: Capable and deserving student from Jackson, MS, majoring in accounting.

*MAURICE H. JOSEPH REAL ESTATE: Student in real estate upon recommendation of that area.

*FRED D. KENAMOND ACCOUNTING: Student majoring in accounting upon recommendation of the committee.

RANDY LUSK: Pike County High School graduate or South West Community College transfer majoring in business, marketing, or finance.

*JARVIS MAXEY: Special award for a College of Business Administration student and awarded at the Annual Spring Awards Banquet.

PAUL McMULLAN ENDOWED: Mississippians who are studying in the area of banking and finance.

*JEROLD J. MORGAN SCHOLARSHIP: Outstanding accounting student to be selected by a special committee.

*MARSHAL RAYBURN ENDOWED SCHOLARSHIP: To provide a scholarship to a capable and deserving student from Forrest or Lamar County majoring in the area of real estate and finance. NOT AVAILABLE AT THIS TIME

*HERSCHEL AND LYNN SHATTLES SCHOLARSHIP: Award to capable and deserving students from Forrest County majoring in business administration with preference given to graduates of Forrest County Agricultural High School (FCAHS). To be selected by FCAHS.

*C. CARUTHERS SULLIVAN, JR. MEMORIAL: To provide an annual scholarship for a junior and/or senior economics major in the College of Business Administration to be selected by a committee of faculty and staff members.

GORDON H. WHITE BANKING AND FINANCE: To an incoming freshman majoring in banking and finance from Forrest or Lauderdale county with financial need. NOT AVAILABLE AT THIS TIME

*LOWERY WOODALL: Students in the College of Business Administration upon recommendation from that area.

**Recipient to be chosen by the College of Business Administration.*

COLLEGE OF EDUCATION AND PSYCHOLOGY

Annual

*LEO MILLER SUMMER AWARD: USM graduate returning for MS in elementary education.

*HOWARD SESSUMS: Deserving Mississippian, junior or senior, in Education and Psychology, majoring in secondary education or counseling.

*USM ASSOCIATION OF OFFICE PROFESSIONALS (AOP): To a capable and deserving junior with a 3.0 GPA or better majoring in Business Technology with emphasis in office administration or related field.

Endowed

*ODESSA POWELL BEASLEY ELEMENTARY EDUCATION ENDOWMENT: To provide scholarship funds to an education major entering his/her junior year with plans to be an elementary teacher. The student should be from a rural county and have financial need.

*R. G. BIGELOW: Junior or senior planning to teach. Recommendation of the department.

ANNELLE BONNER: Scholarship awarded to junior or senior majoring in business teacher education. Must meet academic and citizenship requirements.

*ZED HOUSTON BURNS: Award to an outstanding student in Psychology.

*JOSEPH O'HARA CARSON: For a graduate student with emphasis in higher education.

RANKIN AND LUCY R. CLINTON: To a graduate of Oak Grove High School, sophomore or higher, majoring in the education field. NOT AVAILABLE AT THIS TIME

*(LOAN) HORACE B. DICKERSON: Graduate student seeking a degree in guidance and counseling or a related field. Funds to be repaid at 6% interest after leaving school.

*S. L. AND MARGUERITE FAYARD: Selection to be made by Education and Psychology. Recipient must be resident of Biloxi or D'Iberville, MS. Student is preparing for a career in service oriented profession. For example, teaching, counseling or social service.

LUTHER AND MYRTIS FLURRY: Award to a full-time student in the College of Education and Psychology, with preference given to those who plan to teach in rural schools in the State of Mississippi.

KATHERINE SELBY FOOTE: To a student in the College of Education and Psychology with preference given to a student majoring in Math Education or to a student who has worked or is working as a teaching assistant.

*DR. SARA AND CLIFFORD HAGENSON: Student in early childhood education, upon recommendation of that department.

FRANCES K. HARRELL: Capable and deserving students who are junior or seniors and plan to teach.

*LOUISE HAWKINS: To provide annual scholarship assistance to capable and deserving students pursuing degrees in the field of education. In determining recipients, academic achievements shall be considered.

ALMA HICKMAN: Capable and deserving student majoring in education.

*PEARL REYNOLDS LEECH: To a capable and deserving student planning to teach, with preference to those in elementary education.

OLA FARMER LENAZ: Capable and deserving student who plans to enter the teaching profession.

MADIE PEDEN LIGHT: To provide a scholarship to a student, with need, who has the proclivity to be a teacher.

*DR. RALPH S. OWINGS: Award to an outstanding graduate student in Educational Administration upon recommendation of that department.

JOHN AND CLAUDIA PARKER: To a capable and deserving student who plans to teach school and needs financial assistance.

*WILLIAM V. PLUE SCHOLARSHIP: To an undergraduate student majoring in special education.

*ABBIE ROGERS: Junior or senior majoring in special education-mental retardation. Selected by a special committee.

*BILL SHAFER: Doctoral student in counseling and psychology, upon recommendation of a special committee.

MR. AND MRS. R. E. SHOEMAKE: Student from Forrest or Perry County working on a master's degree in education or an undergraduate degree in elementary education.

ALYNE HALL THORNHILL: An award to a student in elementary education who plans to teach, with preference to students from Walthall County.

**Recipient to be chosen by the College of Education and Psychology.*

GULF PARK CAMPUS

Annual

*GAUTIER ROTARY ACADEMIC SCHOLARSHIP: To provide a scholarship to a Jackson county resident who will be attending the USM Gulf Coast campus. The student will be select by the Gautier Rotary Club.

*GULF COAST HOTEL - MOTEL ASSOCIATION: To a student at the USM Gulf Park campus in the Hotel - Motel Restaurant Management (2+2 program).

*LONG BEACH ROTARY: To a student attending USM Gulf Park in Long Beach, Mississippi.

*MEMORIAL HOSPITAL AT GULFPORT - AUXILIARY: To a capable and deserving sophomore student majoring in Nursing (from Hancock, Harrison, Jackson, Pearl River, Stone, or George Counties).

*MISSISSIPPI COAST RESTAURANT AND BEVERAGE ASSOCIATION INC.: To award academic scholarships to a student at USM Gulf Coast majoring in Hotel, Restaurant, and Tourism.

Endowed

*GENCORP AEROJET: To provide scholarships to USM Gulf Coast students. NOT AVAILABLE AT THIS TIME

*JOE E. HOLLOWAY SCHOLARS: To a student, graduate or undergraduate, with financial need, and who indicates positive leadership and service to the community. NOT AVAILABLE AT THIS TIME

*HSMAI - MAGNOLIA CHAPTER ENDOWMENT: To students in Hotel, Restaurant, and Tourism attending USM Gulf Coast campuses.

*MISSISSIPPI GULF COAST FOUNDATION: Fairly broad and permits expenditures for student scholarships and other projects and activities that would promote the improvement and development of the USM Gulf Coast programs.

*EDDIE PEDEN MEMORIAL ENDOWMENT: To students attending USM Gulf Coast based on need and prior academic record.

*HENRY TERRY BUSINESS ADMINISTRATION ENDOWED SCHOLARSHIP: To a deserving student in CBA at Gulf Park.

*DR ARLINE K. WILLIAMS: To a student enrolled in the Gulf Coast Nursing program.

**Recipient to be chosen by USM's Gulf Park Campus.*

COLLEGE OF HEALTH AND HUMAN SCIENCES
SCHOOL OF SOCIAL WORK

Endowments

*NANCY BAKER: Award to a graduate student in Social Work upon recommendation of that area.

*DAY/MEHEARG: To a graduate student in Social Work.

*KATHERINE GUICE: Capable and deserving student in School of Social Work.

*LYNN B. McMAHAN: Outstanding senior or graduate student majoring in social work with a genuine interest in working with the elderly.

*BARBARA PEASE SOCIAL WORK: To provide a scholarship to a student completing the second year in the School of Social Work. NOT AVAILABLE AT THIS TIME

SCHOOL OF FAMILY AND CONSUMER SCIENCES

Annual

CAIN'S COFFEE: To a capable and deserving student majoring in Hotel/Restaurant Administration with GPA of 3.0, and living on campus.

*PURPLE PARROT COMPANY ANNUAL SCHOLARSHIP: To a student in Hotel, Restaurant, and Tourism with a 2.5 GPA and works 30 hours per week.

HOTEL AND RESTAURANT ADVISORY BOARD SCHOLARSHIPS: Recommendation from the department.

*LONG JOHN SILVER'S ANNUAL SCHOLARSHIP: To provide an annual scholarship to a student in Hotel, Restaurant, and Tourism who demonstrates financial need and has met all admission requirements.

MORRIS MARKETERS - DBA - SHELL - KENTUCKY FRIED CHICKEN: To provide a scholarship to a deserving student with financial need who is a resident of Forrest or Lamar County and is majoring in Hotel, Restaurant, Tourism Management.

*SIMPLY SOUTHERN CATERERS ANNUAL SCHOLARSHIP: To student majoring in Hotel, Restaurant, and Tourism from Mississippi with a 3.0 GPA.

Endowed

*MARK C. APPLEWHITE - NUTRITION: Native Mississippians, pursuing graduate studies in nutrition on the basis of scholarship, leadership, character, and need. Recommendation by Home Economics Scholarship/Awards Committee.

*CARRIE NORTON HERRING BENNETT: Fellowship award upon recommendation of graduate faculty in Home Economics. Recipients must repay at least 50% within two years of graduation or last attendance.

PEARL CAMPBELL: Needy and deserving first year undergraduate student who plans to major in the field of Home Economics.

*BETTY DUKES CRAFT: Outstanding junior majoring in Home Economics. Committee composed of Home Economics faculty, students, and alumni will recommend students.

*BERTHA M. FRITZSCHE: Outstanding graduate student in Home Economics upon recommendation of the graduate faculty in that area.

*ALTRA HOWSE HAMMAN: Full-time graduate student majoring in Family Life or Child Development, who has completed one semester of graduate work with a GPA of 3.75 with no grades below a "B", high moral character, and native born citizen of the United States.

*FERN ROGERS HESSON: To a worthy undergraduate student in the field of nutrition, dietetics, food services, and HRA.

*LANELLE GADDIS LONG: Capable and deserving student in Home Economics. Recommendation of the department.

*MARGARET McCARTHY: Award to students in Hotel and Restaurant and Dietetics (1/2 to each).

*STELLA HARPER McNEIL: To a full-time female majoring in Home Economics Education based on need, character, internship and the students potential to make contributions to their community and society, with a 2.5 GPA or better.

*MERCHANTS COMPANY: Capable and deserving native Mississippian in Memory of John Tatum. This scholarship is to divide between HRA and Dietetics. The department chair shall make a recommendation to the Merchants Company, and if approved, Financial aid will award.

*FANNIE OZELL OWINGS: Student majoring in Home Economics, upon recommendation of that area.

*ALLENE VADEN: Graduate student completing a degree in food service, institution management with a research project. NOT AVAILABLE AT THIS TIME

MILDRED LINDLEY WILLIAMS: Provide scholarships for worthy and needy students attending the University and who are resident citizens of Mississippi with preference given to majors or students in Institutional Administration. (Hotel/Restaurant Management)

SCHOOL OF HUMAN PERFORMANCE AND RECREATION

*S. H. BLAIR: graduate of Hattiesburg public school system with financial need, enrolled in area of school administration or physical education, preference to coaching field. Shall not be awarded to school athletes.

*REED GREEN: Administration and Coaching major, recommendation from that area.

ED AND EDDIE LANGFORD: Pascagoula Separate School District graduate, majoring in Education or Coaching, with financial need.

*D. C. LEECH: Capable and deserving student majoring in Athletic Administration and Coaching with financial need.

SCHOOL OF NURSING

Annual

*JUANITA L. FARMER NURSING SCHOLARSHIP: To a resident of Forrest or Lamar Counties with financial need and meets all requirements to USM.

*MARSHA KELLY MEMORIAL: Nursing, junior or senior.

*MEMORIAL HOSPITAL AT GULFPORT - AUXILIARY: To a capable and deserving sophomore student majoring in Nursing at main campus of USM (Hattiesburg, MS). (From Hancock, Harrison, Jackson, Pearl River, Stone, or George County)

*MEMORIAL HOSPITAL AT GULFPORT - AUXILIARY: To capable and deserving students majoring in Nursing at the Gulf Coast campus from Hancock, Harrison, Jackson, Pearl River, Stone, or George County.

*LETTIE PATE WHITEHEAD: To provide scholarship funds for the education of poor and deserving Christian girls who are residents of one of the following states: Alabama, Florida, George, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, or Virginia.

Endowed

KATHERINE KYZAR ALFORD: Award to a deserving senior level nursing student with preference given to those from Walthall County.

*MARK C. APPLEWHITE - NURSING: To award one or more scholarships to a native Mississippian(s) majoring in nursing on the basis of scholarship, leadership, character, and need, with preference to those nursing students interested in emergency nursing.

JAMES AND PATSY CAUSEY SCHOLARSHIP: To be awarded to a capable and deserving student in the School of Nursing with preference given to a graduate student in gerontology.

*MARY NELL COOK MEMORIAL: To an incoming freshman from MS, majoring in Nursing.

AUSTIN EDWARD AND MAUDE GORDON SCHOLARSHIP: Capable and deserving students in Nursing.

OLETA TAYLOR GREEN SCHOLARSHIP: Capable and deserving student, junior of senior, in School of Nursing.

*ELIZABETH C. HARKINS SCHOLARSHIP: Capable and deserving student in nursing with financial need.

HATTIESBURG PHYSICIANS NURSING ENDOWMENT: To provide scholarships to students majoring in Nursing from the Hattiesburg area.

*LOUISE M. HAWKINS SCHOLARSHIP: To provide annual scholarship assistance to capable and deserving students pursuing degrees in the field of Nursing. In determining recipients, academic achievements shall be considered.

*SANDRA ROSE KEITH: To an upper-class, female Nursing major with financial need.

*MARSHA KELLY MEMORIAL ENDOWMENT: To a junior or senior nursing student. Selection to be made by the School of Nursing. NOT AVAILABLE AT THIS TIME

*MATTHEW DAVID MAY MEMORIAL: To provide scholarship to a junior or senior nursing student with a 3.0 GPA from Lauderdale or Clarke County, MS.

*SHERRY NEAL NURSING: To a junior or senior nursing student with a 3.0 GPA. First priority should go to students whose family member has had cancer or a student with financial need. NOT AVAILABLE AT THIS TIME

SHELBY AND MAUDE PICKETT: To worthy students who possess leadership abilities, good personal traits, and are themselves in financial need of assistance but possess and are motivated by the desire and purpose of serving others who have need for healing ministries.

CENTER FOR COMMUNITY HEALTH

*REGINALD AND SARA SWITZER HEALTH EDUCATION: To a junior or senior majoring in Health Education, transfer from Mississippi Gulf Coast Community College.

*RALPH T. WICKER, M.D.: To a junior of senior in health education and administration with financial need, high scholastic ability, commitment to community health, preference to pre-med student who chooses to major in community health.

**Recipient to be chosen by the College of Health and Human Sciences.*

HONORS COLLEGE

*LEE CORNELIUS AND VERA B. BURNS: To provide a presidential scholarship.

*THE JORDAN ANNUAL SCHOLARSHIP: To a student majoring in Chemistry currently enrolled in the Honors College.

*THE JORDAN ENDOWED SCHOLARSHIP: To a student majoring in Chemistry and currently enrolled in the Honors College. NOT AVAILABLE AT THIS TIME

*MIDDLEBERG FAMILY PRESIDENTIAL SCHOLAR: To provide a presidential scholarship to a capable and deserving student from the greater New Orleans, Louisiana area.

*OLLIPHANT SCHOLARS: Scholars with an ACT of 25 or higher and a high school record that demonstrates leadership, service, and academic achievement.

*PULLEY, PULLEY, PULLEY, AND GOUGH: To provide a presidential scholarship.

*SAM E. WOODS SCHOLARS: To provide presidential scholarships.

*SCHILLIG/BAIRD SCHOLARS: To provide presidential scholarships to Mississippi residents who have exemplary high school grades and ACT scores, leadership records in high school, letters of recommendations, a writing sample, and interview.

*O. L. AND MARIE B. SIMS PRESIDENTIAL SCHOLARS: To provide a presidential scholarship to an outstanding senior in the Honors College, with the highest grade point average, extra-curriculum activities.

**Recipient to be chosen by the Honors College.*

COLLEGE OF INTERNATIONAL AND CONTINUING EDUCATION

Annual

INSTITUTE FOR LEARNING IN RETIREMENT: Non-traditional student with financial need.

*THE KENNETH BOURNE/WILLIAM BANKS TAYLOR, JR. SCHOLARSHIP: To provide a scholarship to an upper classman or graduate student majoring in criminal justice. The award is to be based on academic achievement. If a student in criminal justice is not qualified then the award will go to a student in International Education.

*BRACEY/FLAGG ANNUAL SCHOLARSHIP: To provide an annual scholarship to a student with interest in International studies, with a "B" or better GPA, and who demonstrates financial need.

*RAJAPPA NANGUNERI MEMORIAL: To a non United States citizen, full-time graduate student in any major but Polymer Science or Chemistry with a 3.5 GPA and not in receipt of any other aid.

*ED LANGTON OVERSEAS STUDY SCHOLARSHIPS: To a student in the British Studies Program.

Endowed

*E. V. AND CATHERINE THOMAS: Adult women, with preference to displaced homemakers, who need to train for a career for economic security as recommended by the director of Adult Services Office.

*ESTHER VALLADAROS: To provide International Education scholarships. NOT AVAILABLE AT THIS TIME.

**Recipient to be chosen by the College of International and Continuing Education.*

COLLEGE OF LIBERAL ARTS

Annual

*ANN HUBBARD ALLEN: To a worthy and needy student, junior or senior, majoring in History.

*ELLIOTT CHAZE MEMORIAL: To provide a scholarship to a minority student from the Hattiesburg area, with a 3.0 GPA, and majoring in journalism. Journalism department to decide based on paper by top five finalists.

*CHEVRON USA, INC.: Junior of senior majoring in journalism with certain economic courses. Recommendation of journalism department.

*DANA PUBLIC RELATIONS SCHOLARSHIP: To provide a scholarship to a graduate student(s) majoring in public relations, working on masters, with a minimum GPA of 3.0.

*TARSHA McLAURIN ANNUAL SCHOLARSHIP IN JOURNALISM: To provide scholarship to minority students majoring in Journalism: one scholarship for $1000 to be awarded to an upcoming junior and $1000 to be awarded to an upcoming senior. The student(s) is/are to be selected by a committee composed of faculty from the Journalism Department and a representative from *The Hattiesburg American.*

Endowed

*LAWRENCE ALBERS: To provide a scholarship to a senior whose emphasis area is film and who has a 3.0 GPA in RTF courses.

*FRANK BUCKLEY: To provide scholarships to capable and deserving students in the School of Communications.

*W. M. COLMER: Recommendations will be made by the American Studies Committee, Chair of the Department of Political Science, Dean of College of Liberal Arts. Students in the American Studies area who demonstrate the ideals which Mr. Colmer held in love, loyalty, and patriotism to his country.

ROBERT CECIL COOK: For student in journalism with a 3.5 GPA, based on need.

*ETOILE DUBARD: Senior or graduate student in Speech and Hearing Sciences upon recommendation of the School for Children with Language Disorders and approved by the director.

*WILLIAM F. DUKES ENDOWED SCHOLARSHIP: To provide a scholarship to a native of MS majoring in Criminal Justice with a minimum 3.0 GPA. The Department of Criminal Justice is to select the student. No award shall be made until the $20,000 balance has been reached. NOT AVAILABLE AT THIS TIME

*CLAUDE E. FIKE SCHOLARSHIP FUND: For a student majoring in history who has financial need and an above average academic record. The selection of the recipient will be made by the history department. NOT AVAILABLE AT THIS TIME

*HELEN DUKE FIKE: To provide a scholarship to a needy student, regardless of discipline. Chair of Speech and Hearing Sciences to make recommendation.

*HUGIE LEE FOOTE: To a worthy student in foreign language upon recommendation of that area or can be used for other purposes according to the needs of the Foreign Language Department.

*GEORGE ROBERT HALL: Staff of Aerospace Studies Department will select up to three candidates who are Professional Officer Corps. Air Force ROTC Cadets in good standing, member of the Arnold Air Society in good standing and not receiving other scholarship assistance. Prior Hall Scholarship recipients remain eligible. Final selection by Colonel Hall.

*SARAH STEVENSON JOHNSON ENDOWED SCHOLARSHIP: To fund a scholarship to be awarded to a capable and deserving student enrolled in the Department of Foreign Language, with priority given to those students studying French or Spanish. NOT AVAILABLE AT THIS TIME

*MOLLINE MAYFIELD KEYES MEMORIAL: To a graduate student in Library Science with a 3.5 GPA in their senior year and 3.0 overall, resident of Mississippi, demonstrates financial need.

*THOMAS P. LENNEP: An Air-Force ROTC student, upon recommendation of the staff of that area, who is a junior or senior with a 2.75 GPA.

LEONARD LOWREY MEMORIAL: Provides direct aid to students who have need, have financial interest in journalism, writing and demonstrate high potential through scholarship and outside interest especially in field. Family members will not be excluded.

*McCAIN CHAIR OF HISTORY: To annually fund two doctoral students in History.

RICHARD WAYNE McKENZIE: To a capable and deserving student in pre-law with a 3.0 GPA from Forrest or Perry County.

*MUNRO PETROLEUM ENDOWMENT: To a graduate student in Economic Development.

*LINWOOD ORANGE: Stipend to the most outstanding graduate student specializing in English Literature prior to 1800, Literature of the Renaissance.

BILL PORTER MEMORIAL SCHOLARSHIP: To students in pre-law, based on need.

*BEN MOUNGER RAWLS: To a teaching assistant in English, second semester award, based on teaching excellence of first semester. NOT AVAILABLE AT THIS TIME

*MARVIN AND BETTY REUBEN: To an outstanding student majoring in broadcasting in the School of Communication.

*WILBUR AND POLLY STOUT: To be awarded to the senior-to-be who has the best gpa in English after having completed three years at USM.

*WENNINGER DISABLED LAW ENFORCEMENT: To a law enforcement officer injured in the line of duty and majoring in Criminal Justice. NOT AVAILABLE AT THIS TIME

*LEON AND IVAH WILBER: To an outstanding senior in Political Science who plans to do graduate work at USM.

*LARRY MITCHELL WILSON GRADUATE SCHOOL ENDOWMENT IN CRIMINAL JUSTICE: To award annually an outstanding graduate student in Criminal Justice a scholarship. NOT AVAILABLE AT THIS TIME

*LARRY MITCHELL WILSON SCHOLARSHIP: To provide a scholarship to an undergraduate majoring in Criminal Justice based on financial need. NOT AVAILABLE AT THIS TIME

**Recipient to be chosen by the College of Liberal Arts.*

COLLEGE OF SCIENCE AND TECHNOLOGY

Annual

*GREATER HATTIESBURG HOMEBUILDERS ASSOCIATION: Recipient to be chosen by a committee from the Department of Construction Technology.

*HERCULES INCORPORATED: Financially needy students in the College of Science and Technology beyond the sophomore year with the advise of the Dean. At least one to be awarded to a member of a minority race.

*THE JORDAN ANNUAL SCHOLARSHIP: To a student majoring in Chemistry and currently in the Honors College.

*MEDICAL TECHNOLOGY: Student in the Department of Medical Technology. Recommendations to be set up by the Department Chair.

*MEMORIAL HOSPITAL AT GULFPORT - AUXILIARY: To a capable and deserving student majoring in medical technology. Sophomore from Hancock, Harrison, Jackson, Pearl River, Stone, or George County.

*PUCKETT LABS FOR MEDICAL TECHNOLOGY: To a junior or senior in medical technology with a 3.0 GPA from Alabama, Mississippi, or Louisiana. Preferably to a student from South Mississippi.

*RAYMOND B. SEYMOUR FUND: To an outstanding freshman in Polymer Science.

*ROY AND MARY TOWNSEND PRE-MEDICAL SCHOLARSHIP: To be awarded annually to a non-freshman pre-medical student majoring in the Department of Biological Sciences who has a minimum GPA of 3.5. The scholarship recipient is to be selected by a departmental committee.

Endowed

*OLIVER V. AUSTIN: Award to a deserving undergraduate student majoring in Physical Science.

*BOBBY CHAIN ENDOWMENT: Award to 1) an undergraduate major in the School of Engineering Technology; 2) a Mississippi native; 3) with an ACT score of 20; 4) who demonstrates financial need; 5) and who has a minimum GPA of 3.0.

*WRIGHT W. CROSS: To provide scholarships to capable and deserving students, with financial need, majoring in Math, with a GPA of 3.0 or better.

*R. D. AND BARBARA ELLENDER SCHOLARSHIP: To offer an annual scholarship to an undergraduate microbiology major in the Department of Biological Sciences who has a minimum 3.0 GPA. The student must be a US citizen. If the microbiology emphasis is removed from the curriculum, the scholarship reverts to a graduate student in counseling and psychology in the Department of Psychology. This student must be a US citizen with a 3.5 GPA. In either situation, stated above, the department chair shall assign the scholarship. NOT AVAILABLE AT THIS TIME

*DR. JOHN AUSTIN EVANS PRE-DENTAL ENDOWED MEMORIAL SCHOLARSHIP: Pre-dental student from MS with preference to student going to Dental School.

*WILEY FAIRCHILD: To a construction major who has demonstrated financial need.

*VIRGINIA FELDER: To a female majoring in Math Education. If no student is available in Math Education then math, science, or computer science.

*KAREN PRESTON GARNER: A female, junior or senior majoring in biology, GPA of 3.0, of sound moral character, Mississippi resident, involved in school activities.

BILLY JOE GRANTHAM: To educate a future biologist at USM.

*ALTON C. GRIMES: Scholarship for students pursuing a course of study requiring 18 semester hours beginning with calculus. Recipient should be a Mississippi student and a person with high moral character. Recipient to be chosen by a special committee from the Math Department.

HATTIESBURG PHYSICIANS MEDICAL TECHNOLOGY ENDOWMENT: To provide scholarships to students majoring in medical technology from the Hattiesburg area.

*HUBHEALTH OF SOUTH MISSISSIPPI: To be given to a student within the pre-medical area at USM, preferably a junior or senior majoring in pre-medicine from the South Mississippi area. Must maintain a minimum 3.5 gpa.

*THE JORDAN ENDOWED SCHOLARSHIP: To a student majoring in Chemistry and currently enrolled in the Honors College. NOT AVAILABLE AT THIS TIME

JUAN AND VALLIE LANDRY: To provide a scholarship to a student majoring in architectural engineering technology. NOT AVAILABLE AT THIS TIME

*LITTON INDUSTRIES: To a junior or senior majoring in Polymer Science or Chemistry.

*EDWARD J. AND SUE WILBY McCARTY ENDOWED GEOLOGY HONORS SCHOLARSHIP: 1) Student must be enrolled in the Honors College, or be eligible for enrollment in terms of grades and test scores, and must major in Geology; 2) as part of the selection process, the applicant must submit a letter to the faculty of the Department of Geology and to the Honors College (as appropriate), describing their interest in a career in geology; 3) the selection of the scholarship will be made by the faculty of the Department of Geology, in a manner determined by the Faculty; 4) the student must maintain a 3.2 GPA (overall), with a 3.35 GPA in geology; 5) the student must complete the following courses: Calculus (10 hours), Physics with Calculus, Applied Statistics, and one course in either Management or Organization Theory: 6) a senior thesis is required and will be developed with the direction of a Ph.D. Geology faculty member.

*DR. TOM PUCKETT MEDICAL TECHNOLOGY: To a student in medical technology.

*USM ALUMNI AT DOW: To support the education of undergraduate/graduate students enrolled in the department of Chemistry of Polymer Science. NOT AVAILABLE AT THIS TIME

*BRADY LEO VAN HUSS, JR: Award to Polymer Science student who is a United States citizen preferably from the Southeastern states.

VELEZ FAMILY ENDOWED: To provide pre-medical scholarships. NOT AVAILABLE AT THIS TIME

*DR. J. FRED WALKER: Outstanding student in biology or pre-medicine.

*J. FRED AND MILDRED WALKER - BIOLOGY: To a junior biology major with high moral character.

*R. LAMAR WINSTEAD: To needy and worthy students who are pursuing a major in one of the following fields 1.) Math; 2.)Physics; 3.) Computer Science

*Recipient to be chosen by the College of Science and Technology.

GENERAL SCHOLARSHIPS

Annual

BAILEY MAGNATE SCHOOL SCHOLARSHIP: To provide a scholarship for a financially needy student from Bailey Magnate School who has been accepted at The University of Southern Mississippi.

BANK OF HATTIESBURG: To provide scholarship assistance to capable and deserving students from the Hattiesburg area.

BANK OF MISSISSIPPI: Awarded by the University Scholarship Committee. These should be presented in the best interest of the University with preference given to surrounding area students. Economic need should be a factor.

BEAN MOVING AND STORAGE: To provide a scholarship to the dependent of a single parent with financial need. Preference is to be given to a Caucasian, out of state student with a minimum 2.5 gpa.

FRANK CAIN MEMORIAL: To provide a scholarship to a deserving student to aid in the attainment of their education.

CITIZENS BANK OF COLUMBIA: To a deserving Marion County student.

ALFREDDY COOK MEMORIAL SCHOLARSHIP: To a student who lives on campus from Forrest, Lamar, Perry, Covington, or Warren County who demonstrates financial need.

FIRST FEDERAL SAVINGS AND LOAN, PASCAGOULA-MOSS POINT: Annual scholarship to a deserving student from Jackson County, Mississippi. Selection to be made by Financial Aid.

GULF POWER FOUNDATION: Scholarship for a deserving Northwest Florida student.

*MARTHA ANN MARKLINE HOPKINS: To provide a scholarship to a transfer student from Co-Lin Community College. Student selected by Co-Lin Community College representative. NOT AVAILABLE AT THIS TIME

*JONES COUNTY ALUMNI CHAPTER: Student from Jones County to be chosen by a committee from the chapter.

*JUNIOR PANHELLENIC: Capable and deserving girls upon the recommendation of the Panhellenic Council.

L & A CONTRACTING ANNUAL SCHOLARSHIP: To provide a scholarship to a student, junior classification, who has maintained a gpa of 2.5 or better with financial aid a determining factor.

LDDS ANNUAL SCHOLARSHIP: To a capable and deserving full-time student at USM. The applicant must meet or exceed the following standards: (1) entering freshman must have an ACT composite score of 24 or SAT score of 990; (2) community/junior college transfer students must have a 3.0 gpa on a 4.0 scale on at least 54 semester hours of community/junior college work; (3) students currently attending USM or other universities must have a 3.0 gpa on a 4.0 scale. Consideration will be given to applicants who are children of employees of LDDS.

*LAUDERDALE COUNTY ALUMNI SCHOLARSHIP: Recipient chosen by the Alumni Chapter.

LONG JOHN SILVER'S GENERAL SCHOLARSHIP: To a capable and deserving student at USM.

VERA BAKER LUSK: To a capable and deserving student.

THE MIDDLEBERG FAMILY PRESIDENTIAL SCHOLARSHIP: To provide a Presidential Scholarship to a capable and deserving student from the Greater New Orleans Area.

PEARL RIVER COUNTY ALUMNI SCHOLARSHIP: To a junior or senior from Pearl River County with a 2.5 gpa or better and financial need.

BEN SHEMPER SONS, INC.: To provide a scholarship to a Mississippian with financial need with consideration given to dependents of Ben Shemper & Sons, Inc. employees.

SOUTHERN BEVERAGE TEXTBOOK SCHOLARSHIP: To provide $150.00 per semester to a student selected by Financial Aid to help pay for his/her textbooks.

TATUM DEVELOPMENT CORP: To provide ten annual full tuition scholarships to full-time students at USM, U.S. Citizen entering freshman with an ACT of 21 or above, or SAT of 860 or above, community/junior college transfer with at least a 3.0 gpa on a 4.0 scale with at least 54 hours of community/junior college work, 3.0 gpa on a 4.0 scale for students currently enrolled at USM or other universities. One scholarship is designated to be awarded in the College of The Arts and one in the College of Business Administration. The other eight will be awarded to any college.

TRUSTMARK OF LAUREL: Capable and deserving Jones County student.

WALTHALL CITIZENS BANK OF TYLERTOWN: Capable and deserving Walthall County student.

*BRUCE WILGUS: To an outstanding volunteer of USM Equestrian Center.

Endowed

AMERICAN LEGION POST 139, CLEMENT R. BONTEMPS, RICHARD H. THAMES MEMORIAL SCHOLARSHIP: Award to a worthy undergraduate student, must maintain a "C" or better average, children of members of this Post, who reside in Hancock County will be given preference.

*ERNEST LEE BACKSTROM MEMORIAL SCHOLARSHIP: Award to capable and deserving student with financial need. Candidate to be recommended by Student Services Committee appointed by Vice President for Student Affairs annually.

BRADFORD O'KEEFE FUNERAL HOME: NOT AVAILABLE AT THIS TIME

SAM BRADLEY: To provide a scholarship to an undergraduate or graduate student, based on need.

*B.P.O. ELKS NUMBER 599: To provide scholarships to students from either Forrest, Jones, Perry, Lamar, Covington, or Marion Counties. Lodge to make recommendation.

*OLA D. AND W. AGNEW BRADLEY, SR. ENDOWMENT: Capable and deserving students from Wayne County in Mississippi or Choctaw and Washington Counties in Alabama with preference to any direct descendants of W. Agnew and Ola D. Bradley. Selection to be made by a special committee with the USM Foundation.

KATHERINE BROWN: Purpose of restrictions: (1) active military personnel or with preference and priority to dependents of former boot-strappers; (2) dependents of military personnel; (3) others eligible.

*BUDWEISER/SOUTHERN BEVERAGE ALCOHOL AWARENESS SCHOLARSHIP: To provide a scholarship to an upper class student who has contributed time and energy to the success of Alcohol Awareness Week and other related activities.

WALTER O./ LUTHER W. CONN ENDOWED: To a deserving student from Mississippi with financial need and is willing to accept part-time work.

MARION FULLER DAVIS: To provide a scholarship to a student with academic promise or achievement with financial need.

*EAVES/WAITES: To provide scholarship funds to be used for students attending the summer program for gifted and talented, with preference given to students from Jones or Wayne County.

*FACULTY MEMORIAL FUND: To provide a scholarship to children of USM Faculty members who are not eligible for full tuition waiver since 1977. Recipient has to maintain a 2.5 gpa and can receive the scholarship repeatedly.

KATHRYN WILLIAMS FARMER: Capable and deserving student who needs financial assistance.

L. Y. FOOTE: (1) Economic need a definite factor; (2) best interest of the University with preference given to students in the surrounding area of Hattiesburg.

*GENERAL SCHOLARSHIP ENDOWMENT: This fund is established to award scholarship based on recommendations from financial aid to the Director of Development. The award will be made after consultation with the executive assistance to the President of The University.

LESTER HADDOX: Award to a capable and deserving student from Marion County, who has economic need, good character, and a stated goal in life.

M. C. HAMILTON: NOT AVAILABLE AT THIS TIME

HATTIE LOTT HARDY: Native Mississippian, preferably from Hattiesburg, for scholastic excellence.

*HATTIESBURG METRO ALUMNI CHAPTER SCHOLARSHIP: Award to a capable and deserving Forrest County student to be chosen by the Chapter.

HATTIESBURG ROTARY CLUB, GROVER ANDERSON: Capable and deserving Forrest or Lamar County student. Preference given to children or grandchildren of members of this club, provide tuition cost, must maintain gpa of 2.5.

*J. D. AND RHODA HERRING: Capable and deserving Walthall County student, with good academic record, upon recommendation of Walthall County Alumni Chapter.

SONDRA HOLMAN: Capable and deserving student with financial need.

HAL R. HOPKINS: Capable and deserving student from Kemper or Lauderdale Counties with financial need.

*JACKSON COUNTY ALUMNI CHAPTER: Capable and deserving student from the area.

N. B. KAIGLER SCHOLARSHIP: To provide annual scholarships for residents of Gloster or Amite County, Mississippi, and if none qualify during the year then for residents of Walthall, Pike and Wilkerson County, in that order of preference. The standards to qualify shall be established by the University. NOT AVAILABLE AT THIS TIME

*CLYDE KENNARD MEMORIAL SCHOLARSHIP: To provide annual scholarship(s) to a deserving student as set forth by the Black Alumni Advisory Council Scholarship Committee. NOT AVAILABLE AT THIS TIME

MR. AND MRS. L. C. KIRKLAND: Capable and deserving student in need of financial assistance.

ETHEL WHATLEY KROKER: Needy and deserving students with preference given to blood grandchildren and blood great-grandchildren born to Mrs. Kroker's brothers and sisters.

LEE-McDANIEL: To recognize an outstanding active member of Sigma Phi Epsilon Fraternity that demonstrates and possesses leadership, scholarship, religious involvement, patriotism, and involvement in campus affairs and organizations. The recipient must also be a junior, resident of the Sigma Phi Epsilon house and have a 2.5 or better gpa.

LEGGETT-SHEARER ENDOWED: NOT AVAILABLE AT THIS TIME.

MR. AND MRS. J. D. LEWIS: Award on the basis of citizenship record, economic need and academic work, to a native Mississippian.

TRENT LOTT: NOT AVAILABLE AT THIS TIME

MISS OSEOLA McCARTY ENDOWED SCHOLARSHIP: To provide a scholarship to a capable and deserving student with financial need with consideration given to an African American student from the Hattiesburg area.

JAMES K. AND ELSIE S. McGEHEE: Capable and deserving graduates of Long Beach High School or in alternative, a graduate of a public school within Harrison County. Consideration should be given to all around students rather than those who are eligible for financial aid or academic awards.

REESE D. AND CORINNE H. McLENDON SCHOLARSHIP: Award to a capable and deserving student who graduated from a public high school.

MR. AND MRS. LOVELLE MORRIS: Capable and deserving student. Relatives will not be excluded.

WILLIAM WALTER MUNSON: Worthy boys and girls enrolled as regular students.

GEORGE W. AND MAE H. OWENS: Capable and deserving student based on need.

JACK AND LOUISE PACE: Capable and deserving students from Neshoba, Scott, and Simpson Counties.

AGNES WILKERSON PEEK ENDOWED: Outstanding student graduating from Forrest High School who maintains a gpa of at least a 3.0 on a 4.0 scale.

ROBERT L. AND ELIZABETH PRICE PEYTON: NOT AVAILABLE AT THIS TIME

EDWIN LLOYD PITTMAN: Capable and deserving student who has satisfactorily completed his/her freshman year. Student must be from Mississippi and not receiving financial aid.

L. A. (TONY) POLK: NOT AVAILABLE AT THIS TIME

CHARLES AND ANITA PRICE ENDOWED SCHOLARSHIP: To provide scholarship money to a capable and deserving student with financial need. NOT AVAILABLE AT THIS TIME

CHARLES PROBST: NOT AVAILABLE AT THIS TIME

M. M. ROBERTS: Capable and deserving undergraduate students who are native Mississippians.

ALTON N. "IKIE" SCOTT: Capable and deserving student with financial need. Preference given to student from Washington County, Alabama.

LINNIE COCKRELL AND COLBY D. SIMMONS SCHOLARSHIP: Award to capable and deserving students from Jones and Jasper Counties with financial need.

*DEBRA RENEE SLAY GIRL SCOUT SCHOLARSHIP: Recipient must have a 2.5 gpa, be a recipient of the Gold Award or highest award in Girl Scouts, registered Girl Scout for 5 years, and registered in Gulf Pines Council for 2 years. Recommendation by the Gulf Pines Council.

CECILIA SMITH MEMORIAL: NOT AVAILABLE AT THIS TIME

T. HIRAM STANLEY: To worthy and needy students.

KEVIN SWANSON MEMORIAL: To a needy student, 3.0 gpa. NOT AVAILABLE AT THIS TIME

THAMES ENDOWMENT: NOT AVAILABLE AT THIS TIME

R. B. AND LEILA THIGPIN: To provide scholarships to deserving students with preference given to (1) Associate of Arts graduates from Mississippi Delta Community College or to (2) graduates from East Central Community College who are natives of Leake County.

W. A. THOMSON: Capable and deserving student in the Hattiesburg area.

DOUGLAS ALLEN TRAWEEK: A senior who has financial need with preference to Clarke County residents.

WHAT-SO-EVER-CIRCLE OF THE KING'S DAUGHTERS AND SONS OF HATTIESBURG, INC.: To provide scholarship assistance to a worthy and needy student of high moral character with preference given to a resident of Forrest and Lamar Counties of Mississippi.

EDNA DAVES YARBROUGH: Award on the basis of Christian dedication, belief in God, financial need and a high respect for United States Government.

**Recipient to be chosen by a specific organization.*

STUDENT ACTIVITIES

The main source of the extra curricular activities at The University of Southern Mississippi is the multitude of student organizations and activities. Some 200 student organizations include all categories of participation: service, social, religious, professional, honorary, and on and on to provide an opportunity for almost any interested student to participate. While these activities are outside of or "extra to" the formal curricula, they are unquestionably a part of the student's total experience while he or she is enrolled at The University of Southern Mississippi.

In addition to the numerous student organizations, there are groups which, by their representative function, serve the entire student body in their various capacities and areas. These groups are: Student Government Association and University Activities Council.

While these groups are deliberative and propose to represent the views and wishes of the entire student body, other student governing groups may be found in the residence halls, the fraternity and sorority system, and the international student community.

STUDENT GOVERNMENT ASSOCIATION

The Student Government Association (SGA) of USM consists of all students enrolled in the University. It is structurally set up with executive, legislative, and judicial branches. The officers of the SGA comprise the executive branch, elected representatives from the academic colleges and places of residence make up the Senate or legislative branch, and the student courts comprise the judicial branch.

The SGA, however, is much more than a structured student organization. It is the official voice of the student in University affairs. In addition, the SGA serves the student in special services and projects, along with providing representation on committees and boards. These services include a check cashing service, short-term loans, legal services, a student discount card, and a health insurance program.

SGA projects include the Miss Southern Pageant, student elections, spirit activities, and recruiting.

The Student Government Association is constantly striving to improve programs and services available to the USM student population. By working with the University administration and voicing student concerns, the SGA promotes the welfare of all students in all phases of university life.

OFFICE OF DISABLED STUDENT SERVICES

The Office of Disabled Student Services provides a variety of programs and services to students with documented disabilities.

Some of the services available include: orientation, registration assistance, tutoring, interpreters, textbook enlargement, and campus accessibility. The office also provides assistance to students receiving services and funds through the various vocational rehabilitation agencies.

New students are encouraged to contact the office the semester before beginning classes in order to reserve on-campus housing and make other necessary arrangements. Write The Office of Disabled Student Services, Box 5067, Hattiesburg, MS 39406-5067 or call 1- 601-266-5024.

STUDENT PUBLICATIONS

THE STUDENT PRINTZ, winner of many national awards, is the University newspaper published semi-weekly by a staff of students under the direction of faculty advisers. THE SOUTHERNER is a yearly publication, published by a student staff under the direction of Student Activities personnel. A handbook for students is also published by Student Activities personnel.

R.C. COOK UNIVERSITY UNION

The center of student activities at The University of Southern Mississippi is the R.C. Cook University Union, which houses the student organization offices, Seymour's, recreational area, and meeting rooms. Students use the facilities of the University Union for recreation, social, religious, and organizational activities. The Union holds membership in the Association of College Unions—International.

UNIVERSITY ACTIVITIES COUNCIL

The University Activities Council is a student-run organization and USM department consisting of 40 members, alternates, and affiliate members. The UAC plans, promotes, and produces an array

of entertainment for the USM community including the movies series, comedians, lectures, and various fests.

The UAC is funded by students' fees and budgets the money to provide low cost, quality entertainment for the USM community.

Holding membership in the National Association of Campus Activities (NACA), the UAC keeps abreast of collegiate programming trends and developments throughout the nation as well as the South.

ATHLETICS

The University of Southern Mississippi is a member of the Metropolitan Collegiate Athletic Conference, the College Football Association and the National Collegiate Athletic Association.

Intercollegiate sports are football, basketball, baseball, tennis, golf, indoor and outdoor track, cross-country, and women's tennis, basketball, women's golf, cross-country, volleyball and indoor and outdoor track.

RECREATIONAL SPORTS

For students, faculty and staff who wish to participate in leisure, fitness, or competitive programs, the Division of Recreational Sports offers "Something for Everyone." Housed in the newly opened **Payne Center**, the division and its staff work to provide an opportunity for the campus to take advantage of a variety of recreational and fitness related services which include massage therapy, Intramural Sports, Aquatics, Fitness, Sport Clubs, and Informal Recreation activities. The Payne Center is one of the few multi-purpose facilities in the nation integrating the concepts of fitness and recreational sports. It offers accessibility to the disabled, and contains many indoor recreational facilities. These include four basketball/volleyball courts, six badminton courts, four championship racquetball courts, an international size squash court, a six-lane indoor pool (**M.C. Johnson Natatorium**), a $^{1}/_{8}$ mile indoor exercise track, outdoor volleyball courts, Atrium Cafe, sauna, free weight and circuit training room, and cardiovascular workout room. The Payne Center also has conference, meeting, seminar, and banquet facilities where students, faculty, staff, and alumni can attend wellness related workshops and events. These facilities are also available for reservations for events sponsored by university organizations. Recreational Sports also offers outdoor facilities such as the **sundeck** at the Payne Center, the **Intramural** and **Sports Arena Fields**, the **Tennis Complex**, the **Equestrian Center**, and **Lake Sehoy**. Outdoor activities and programs available include over 40 Intramural Sports events from Flag Football to Putt-Putt Golf, and 9 Sport Clubs involving ultimate frisbee, soccer, rugby, volleyball, karate, SCUBA diving, table tennis, and sports officiating. Horsemanship classes, trail rides, party rides, PRCA rodeos, AQHA horse shows, and Lipizzan Stallions are offered at the Equestrian Center. Lake Sehoy offers picnic areas, boating, fishing, swimming, putt-putt golf, and a pavilion and log cabin for retreats and other special events. All indoor and outdoor facilities, activities, and programs are supervised by First Aid/CPR trained personnel to promote a safe recreational environment for participants. The **Fitness Assessment Center** and **Fitness Counseling** staff also provide services which include comprehensive health evaluation, fitness assessment, and exercise prescription for the University community at a nominal fee. A pro shop is also available. For more information regarding Recreational Sports programs and services, please call (601) 266-5405.

ORGANIZATIONS

Business Organizations—American Marketing Association, American Production and Inventory Control Society, Beta Alpha Psi, Beta Gamma Sigma, Financial Management Association, Institute of Management Accountants, Master of Professional Accountancy, National Association of Business Economists, Phi Beta Lambda, Phi Chi Theta, Sigma Iota Epsilon, Society for Advancement of Management, Student Economic Development Association.

Education and Psychology Organizations—Industrial Organizational Psychology Student Association, Kappa Delta Pi, Psi Chi, Student Council for Exceptional Children.

The Arts Organizations—Chi Tau Epsilon, Mu Phi Epsilon, Pantheon-Visual Art Guild, Phi Mu Alpha Sinfonia, Tau Beta Sigma.

Games and Athletic Organizations—Billiards Association, Chinese Student Association, Diamond Darlings, Divers Association, Fencing Club, Frisbee Club, Gaming Society, Gold Tenders, Golden Eagle Ultimate Club, Men's Soccer Club, Racquetball and Squash Club, Rugby Club, Scuba Club, Shaolin Ngor Chor Association, Shotokan Karate Club, Sport Professionals Student Association, Sports Officials Association, Student Athlete Advisory Committee, Student Eagle Club, Table Tennis Club, Volleyball Club, Women's Soccer.

Graduate Student Organizations—Counseling Association for Master's Students, Graduate Association of Students in Psychology, Graduate English Association, Graduate Student Forum in Biological Sciences.

Greek Organizations—Greek Seekers, Interfraternity Council, Junior Greek Council, Panhellenic Council. **Sororities**—Alpha Delta Pi, Alpha Kappa Alpha, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Sigma Theta, Delta Zeta, Kappa Delta, Phi Mu, Pi Beta Phi, Sigma Gamma Rho, Zeta Phi Beta. **Fraternities**—Alpha Phi Alpha, Alpha Tau Omega, Delta Tau Delta, Kappa Alpha, Kappa Alpha Psi, Kappa Sigma, Phi Kappa Tau, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Tau Kappa Epsilon.

Health and Human Sciences Organizations—American Society of Interior Designers, Eta Sigma Gamma, Exercise Physiology Club, Hospitality Management Club, Recreation Majors Association, Sigma Theta Tau, Social Work Club, Student Association of Student Family and Consumer Sciences, Student Association of Social Workers, Student Dietetic Association, Student Nurses Association.

Honor Societies—Alpha Lambda Delta, Gamma Alpha Epsilon, Gamma Beta Phi, Golden Key National Honor Society, Lambda Sigma, Omicron Delta Kappa, Order of Omega, Phi Delta Rho, Phi Eta Sigma, Phi Kappa Phi.

Liberal Arts Organizations—American Advertising Federation, Anthropological Society, Lambda Alpha, Library Science Student Association, Logos Philosophy Club, Paralegal Society, Prelaw Society, Public Relations Student Society of America, Southern Cinema.

Military Organizations—Army—Army ROTC Golden Eagle Battalion, Scabbard and Blade. **Air Force**—Air Force ROTC, Angel Flight, Arnold Air Society.

Religious Organizations—Association of Baptist Students, Baptist Student Union, Campus Crusade for Christ, Canterbury Fellowship, Catholic Student Association, Chi Alpha, Golden Eagle Student Fellowship Center, Impact Campus Ministries, Jewish Student Union, Latter Day Saints Student Association, Lutheran Student Fellowship, Muslim Student Association, Pi Tau Chi, Prayertime Fellowship, Reformed University Fellowship, Wesley Foundation.

Residence Hall Organizations—Bolton Hall Council, Bond Hall Council, Elam Arms, Hattiesburg Hall Council, Hickman Hall, Hillcrest Hall, Jones Hall Council, Mississippi Hall, Pulley Hall, Residence Hall Association, Roberts Hall, Scott Hall, Wilber Hall.

Science and Technology Organizations—Alpha Epsilon Delta, American Chemical Society, American Institute of Building Design, Association for Computing Machinery, Beta Beta Beta, Chemistry/Biochemistry Graduate Student Forum, Construction Specification Institute, Home Builders Association, Kappa Mu Epsilon, Minority Engineering Technology Society, Sigma Lambda Chi, Society of Polymer Scientists, Southern Geological Society, Student Oceanographic Society, Upsilon Pi Epsilon.

Service Organizations—Eagle Connection, Program of Assistance, Counseling, Education, and Resources for Students (PACERS), Peers Educating Peers (PEP), Student Alumni Association, Students Promoting Educating and Empowering for Diversity (SPEED).

Other Student Organizations—Abilities Unlimited, Afro-American Student Organization, Alcoholics Anonymous, Amnesty International, BACCHUS, Circle K International, College Democrats, College Republicans, Gay, Lesbian, Bisexual Student Organization, Habitat for Humanity, Honors Student Association, International Relations Club, Life League, National Association for the Advancement of Colored People (NAACP), Phi Theta Kappa, Rho Gamma, Signing Eagles, Society of Creative Anachronism, Southern Style, Student Ambassadors, Student Government Association, Student Government Association-Senate, Students for Progress, Tai Chi Club, University Activities Council, V.I.S.I.O.N., Youhao Chinese Society.

Dramatic, Musical and Other Performing Groups—The University's preeminence in the fine arts fields of theatre and music is reflected in the prominent role of student performing groups. The Debate Squad and the University's own radio station also encourage student performance.

THE USM DANCE COMPANY AND THE BODYWORKS DANCE ENSEMBLE are open to all university students by audition and are sponsored by the Department of Theatre and Dance. These two performance groups present reconstructions of masterworks and original choreography in informal and formal concerts, lecture demonstrations, workshops, and tours. Auditions are held at the beginning of each semester. Interested students should contact the Dance Studios.

THE UNIVERSITY THEATRE is the campus dramatic organization sponsored by the Department of Theatre and Dance. Open auditions are held for all productions and any student enrolled at the University is eligible to participate.

THE OPERA THEATRE, open to all students of the University by audition, performs many works of musicodramatic interest during the year.

THE ORATORIO CHORUS, a large symphonic chorus, is open to students and members of the Hattiesburg community. Its two major concerts each year highlight the masterworks of Western art music for chorus; no audition is required.

THE UNIVERSITY CHORALE is a select choir made up of auditioned singers. Their repertoire, performed on campus and on tour, encompasses sacred and secular music from all music eras.

THE UNIVERSITY SINGERS is a mixed chorus of about sixty voices. One of the most popular of campus groups, its frequent performances touch a varied repertoire of music for chorus. Audition is required.

JAZZ SINGERS is a small select ensemble made up of excellent student singers who concentrate on performing vocal music in the jazz idiom, especially original music and arrangements made popular since 1960. Membership is by audition only.

CARILLON, select ensembles, tour regularly, ringing about forty performances a year. Carillon, a hand-bell group, concentrate on contemporary sacred music. An audition is required.

THE SYMPHONIC WIND ENSEMBLE, THE SYMPHONIC BAND, AND THE CONCERT BAND are open to all University students by audition. The University's bands have an outstanding record of service to the University and the state.

THE MARCHING BAND, known as the "THE PRIDE OF MISSISSIPPI," presents colorful halftime shows at the University football games and appears regularly on national television. It is open to all University students.

THE DIXIE DARLINGS, a precision drill group, open by audition to the best girl dancers of the University, are well-known nationally through their many televised appearances with the Marching Band.

CHAMBER MUSIC (i.e., small, expert, student ensembles) includes brass, woodwind, string quartets; large homogenous groups (e.g., Trombone Choir); and groups devoted to the performance of early music (e.g., Collegium Musicum). For information, please consult the School of Music, Fine Arts Building, Room 211.

THE PERCUSSION CHOIR AND MARIMBA ENSEMBLES utilize programs of original music for chamber percussion performance.

THE JAZZ LABORATORY BANDS are full-size modern jazz ensembles which play the latest arrangements of music in the big band contemporary idiom.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI SYMPHONY, open to all students and faculty members of the University by audition, gives a number of concerts each year in addition to assisting with oratorios and operas.

Service awards are available to talented students. Auditions may be arranged through the School of Music.

WUSM-FM is a University-owned public radio station which serves the diverse educational and cultural needs of the Hattiesburg community. Students interested in joining the WUSM-FM staff should contact the radio station.

UNIVERSITY FACILITIES AND EDUCATIONAL SERVICES

UNIVERSITY COUNSELING CENTER

The purpose of the University Counseling Center is to assist each individual in deriving maximum benefit from his or her University experience and developing his or her full range of potentialities. The following professional counseling services are provided: personal, social, and marital.

Students interested in dealing with some aspects of personal or social development should feel free to contact the Center for an appointment. Everything that is said during a counseling interview is regarded as confidential. No information is released to any individual except with the approval of the student.

Besides assisting students on an individual basis, the Center provides group study skills training to enable students to handle their academic pursuits better. How to organize study time, how to take notes, and how to take examinations are a few of the topics covered.

The Center provides growth experiences for students. Primary goals of these experiences are developing the student's ability to communicate and enhancing his or her skills in interpersonal relationships. The goal, therefore, is to provide students a chance to obtain insight into their own behavior and the behavior of others in the context of a group experience.

The Center staff is available to work with campus groups in providing leadership or communication training. The primary goals of these groups are to improve leadership abilities and to enhance the communication function in organized group activity.

The Center also serves as the University testing center. Tests given include college entrance exams and professional tests (i.e., ACT, GRE, GMAT, GSFLT, DAT, MCAT, and LSAT). For the convenience of the students, application forms for these tests are available in this office.

The Center is located in Room 200, Student Services Building. It is open from 8:00 AM to 5:00 PM, Monday through Friday. Any person who is enrolled or expects to enroll as a student may use the services without charge. Spouses of students often use the Center. In order to make an appointment, a student may come by the Center or call 266-4829 or write to:

Director of the University Counseling Center
The University of Southern Mississippi
Box 5075
Hattiesburg, MS 39406-5075

VETERANS AFFAIRS

Veterans Affairs are administered through the Office of the University Registrar. Assistance is given to veterans and dependents of eligible veterans to enable them to derive the maximum benefit from their veterans' educational entitlement.

CAREER PLANNING AND PLACEMENT

Career Planning and Placement offers a variety of services and resources related to employment.

The **Student Employment Division** offers the student an opportunity to obtain part-time employment while enrolled as a regular student at USM. The service is comprehensive in that it involves jobs for work-study as well as non-work-study both on and off campus.

The **Cooperative Education Program** affords the student the opportunity to gain a complete education with periods of work related to the student's major. The Cooperative Education Office assists in securing meaningful jobs that will give the student practical work experience and financial support to aid in his or her education. The basic qualifications for the undergraduate Co-op Programs are as follows:

1. The student must maintain at least a 2.50 GPA.
2. The student must be enrolled full-time at USM.
3. The student must be in good standing with the University.

The Office of Cooperative Education will determine the eligibility of students to participate in the program. Each student's record of performance will be periodically reviewed once an active participant, and he or she may be placed on probation or removed from the program when not meeting minimum requirements.

The **Placement Center** provides assistance to graduating seniors, graduates, and alumni in obtaining career employment after graduation. Students seeking career employment should register with the Placement Center by purchasing a Disc Resume during the last semester of their junior year or the first semester of their senior year. The Disc Resume allows students access to an employer data base and resources useful in beginning a job search. In addition, students are included in a data base allowing employers to tailor searches for prospective employees. The Placement Center refers resumes and other materials to prospective employers. The system provides the flexibility for students to update their files as often as necessary and to generate a resume meeting specific criteria of a given job opening. Placement services may be used by graduates as often as needed and files are kept active for five years. If there is no activity related to the file for a five year period, files are purged from the system.

THE CAREER CENTER

The Career Center offers individuals assistance in the process of examining and exploring career opportunities. The following services are available:

Career Counseling—Assistance in clarifying each individual's career picture, including education necessary to achieve one's goals as well as an action plan.

Individual Vocational Testing—Career interest tests administered by the counselor to assist an individual in determining vocational areas of interest. An understanding is gained of one's interests, skills, and values.

Career Resource Center—Contains information on numerous occupations, giving an overview of job descriptions, salaries, advancement opportunities, and trends.

Job-Finding Skill Development—Discussion of the interviewing process, the hidden job market, job seeking skills, and resume writing.

Computerized Vocational Guidance—Software programs which facilitate the career decision making process and contain current information on various career areas.

For more information call or write:

Career Planning and Placement
The University of Southern Mississippi
Box 5014
Hattiesburg, MS 39406-5014
(601) 266-4153

UNIVERSITY LIBRARY SERVICES

The functions at The University of Southern Mississippi are organized into four major units: the Joseph Anderson Cook Library, the William David McCain Library and Archives, the Teaching Learning Resource Center and the Richard Cox Library. Each unit is administered by a director who reports to the University Librarian.

The Joseph Anderson Cook Library

The Joseph Anderson Cook Library contains the principal collections of books, journals, microforms, and other printed materials which support the research and instructional program of the University at all levels. Book stacks and reading areas are intermingled throughout the building, and the open shelf method of access to materials is utilized. The Library is currently acquiring approximately 23,000 new volumes annually and maintaining 4,700 current journal subscriptions. The collections are arranged according to the Library of Congress Classification System. A GEAC on-line public access catalog and circulation system is in place. Access is provided to a variety of fulltext and bibliographic databases on a wide range of subjects through the Reference Department. Both traditional Interlibrary Loan and online document delivery services are available.

The William David McCain Library and Archives

The William David McCain Library and Archives houses the special collections and archives of The University of Southern Mississippi. Resources are available for use by the public and the University community in the Cleanth Brooks Reading Room. While the materials housed in this facility do not circulate outside the building and are primarily housed in non-public areas, staff are present to assist patrons. The online catalog and other descriptive finding aids serve as points of access to the collections. Among the notable holdings of McCain Library and Archives are the Mississippiana and Genealogy Collections; the de Grummond Children's Literature Collection; the papers of Williams M. Colmer, Theodore G. Bilbo, and Paul B. Johnson; the Walen Collection of Confederate and Civil War History; and the Cleanth Brooks Collection of belles lettres.

The Teaching Learning Resource Center

The Teaching Learning Resource Center (TLRC) provides instructional development, graphic services, study carrels for individualized learning with non-print materials, audiovisual equipment for faculty loan, a technology demonstration center, and a music resource center. The equipment pool contains a full complement of audiovisual equipment, and includes a special equipment service for the visually impaired. The Music Resource Center, Located in the Performing Arts Center, offers an extensive collection of recordings in various formats, listening equipment, and scores.

The Richard Cox Library

The Richard Cox Library serves as a resource center for the Gulf Coast Regional Campus. It contains collections of printed and non-printed matter which directly support the instructional program. This includes 37,000 volumes in the Curriculum Lab. The Library currently subscribes to 380 serial titles. Print references are supplemented by the availability of computer database searching. The University-wide library cooperative program gives regional campus students access to most library resources of the Hattiesburg campus. This system is facilitated by the University Libraries' online catalog, which can be searched at the Cox Library. All audiovisual equipment is available through the Library, including most forms of media and educational television.

UNIVERSITY PRESS OF MISSISSIPPI

The University Press of Mississippi was founded in 1970 to encourage the dissemination of the fruits of research and study through the publication of scholarly works. Functioning as the scholarly publishing arm of the state-supported universities in Mississippi, The University Press is governed by a Board of Directors made up of one representative from each of the eight state universities, one representative from the Board of Trustees of State Institutions of Higher Learning, and the director of the Press.

The University Press publishes between ten and twenty books each year. Primary areas of interest are Mississippi history and literature, but manuscripts in all areas of study are welcomed.

Administrative offices of the University Press are located in the Education and Research Center of Mississippi, 3825 Ridgewood Road, Jackson, Mississippi, 39211.

UNIVERSITY OF SOUTHERN MISSISSIPPI ALUMNI ASSOCIATION

The Alumni Association was established in 1917 as an organization mainly involved in functions relating to placement service. Since its rebirth in 1946, when the Executive Committee recognized the need for a working Alumni Association with organized alumni groups in the various counties of the state, the Association has operated in its present form, serving as a link between the University and its former students.

USM graduates and former students are encouraged to become active in the Alumni Association and its support of the University's various academic and athletic programs. Of approximately 85,000 graduates since the University's founding, the Alumni Association has enlisted in excess of 17,000 paid members for the past several years.

The Association provides a number of benefits to its members, including a subscription to the quarterly USM **Alumni News** magazine, which helps graduates stay informed on campus developments and provides updates on former classmates. Other benefits include a waiver of out-of-state tuition fees for children of members who meet certain requirements, receipt of mailings on area alumni chapter meetings, library privileges, the full four-issue subscription to the Southern News and Views Alumni Newsletter, car decals, eligibility to join the USM Credit Union, and various other special events.

The Association is very active in developing other programs to support all areas of the University. Some of these include organizing joint district Eagle Club meetings in conjunction with the Athletic Department, sponsoring high school student nights across Mississippi and the surrounding states, holding pre-game open houses prior to USM home football games, and organizing trips to athletic road games.

The Alumni Association also sponsored the drive to raise the funds necessary for the construction of the first R. C. Cook University Union Building, helped set up the USM Foundation (the receptacle for all gifts to the University), and organized the Student Alumni Association, an organization comprised of hard- working, enthusiastic students involved in a variety of activities each semester to promote the University.

Organized Alumni chapters are urged to hold a meeting each year for the election of officers on or around March 30, the date selected by the Association as USM Day in commemoration of the founding of the University on that date in 1910. All former students of USM are encouraged to get together in honor of the University on this date.

ACADEMIC ORGANIZATION

ORGANIZATION FOR INSTRUCTION

For purposes of undergraduate instruction, The University of Southern Mississippi is organized into the College of The Arts, the College of Business Administration, the College of Education and Psychology, the College of Health and Human Sciences, the College of Liberal Arts, and the College of Science and Technology.

Due to current program reviews, changes may occur in individual major requirements. Please check with the department chair for current degree requirements.

The University of Southern Mississippi offers baccalaureate degrees in the following areas for the school year of 1996-1997

1996-1997

College/School	Department	Majors	Degree*
College of The Arts			
	Art		
		Art	BA,BFA
	Theatre and Dance		
		Dance	BFA
		Theatre	BA,BFA
School of Music			
		Music	BM
		Music Education	BME
College of Business Administration			
	Economics and International Business		
		Economics	BSBA
	Management and MIS		
		Management	BSBA
		Management Information Systems	BSBA
	Marketing and Finance		
		Business Administration	BSBA
		Finance	BSBA
		Marketing	BSBA
School of Professional Accountancy			
		Accounting	BSBA
College of Education and Psychology			
	Technology Education		
		Business Technology Education	BS
		Office Administration	BS
		Technical and Occupational Education	BS
	Curriculum and Instruction		
		Elementary Education	BS
	Psychology		
		Psychology	BA,BS
		Social and Rehabilitation Services	BS
	Special Education		
		Special Education	BS
College of Health and Human Sciences			
School of Human Performance and Recreation			
		Coaching and Sports Administration	BS
		Human Performance	BS
		Recreation	BS

College/School	Department	Majors	Degree*
School of Home Economics			
		Child and Family Studies	BS
		Fashion Merchandising and Apparel Studies	BS
		Home Economics	BS
		Hotel, Restaurant and Tourism Management	BS
		Interior Design	BS
		Nutrition and Dietetics	BS
School of Nursing			
		Nursing	BSN
School of Social Work			
		Social Work	BSW
Center for Community Health			
		Health Education and Administration	BS
College of Liberal Arts			
	American Studies (P)***		
		American Studies	BA
	Anthropology and Sociology		
		Anthropology	BA
	Criminal Justice		BA
	Economics (P)***		
		Economics	BA
	English		
		English	BA
	Foreign Languages and Literatures		
		Foreign Languages	BA
	Geography and Area Development		
		Community and Regional Planning	BA
		Geography	BA
	History		
		History	BA
	International Studies (P)***		
		International Studies	BA
	Paralegal Studies (P)***		
		Paralegal Studies	BA
	Philosophy and Religion		
		Philosophy	BA
	Political Science		
		Political Science (Pre-Law)**	BA
	Speech and Hearing Sciences		
		Education of the Deaf	BA
		Speech-Language Pathology and Audiology	BA
School of Communication			
	Advertising (P)***		
		Advertising	BA
	Communication (P)***		
		Communication	BA
	Journalism		
		Journalism	BA
	Radio, Television, and Film		
		Radio, Television, and Film	BA
	Speech Communication		
		Speech Communication	BA

College/School	Department	Majors	Degree*
School of Library and Information Science			
		Library and Information Science	BA
College of Science and Technology			
	Biological Sciences		
		Biological Sciences	BA,BS
	Chemistry and Biochemistry		
		Chemistry	BS
	Computer Science and Statistics		
		Computer Science	BS
	Geology		
		Geology	BS
	Mathematics		
		Mathematics	BA,BS
	Medical Technology		
		Medical Technology	BS
	Physics and Astronomy		
		Physics	BS
	Polymer Science		
		Polymer Science	BS
	Premedical and Health Professions Office		
		(Pre-Dental)**	
		(Pre-Dental Hygiene)**	
		(Pre-Medical)**	
		(Pre-Medical Records)**	
		(Pre-Pharmacy)**	
		(Pre-Physical Therapy)**	
		(Pre-Occupational Therapy)**	
		(Pre-Veterinary Medicine)**	
School of Engineering Technology			
		Architectural Engineering Technology	BS
		Computer Engineering Technology	BS
		Construction Engineering Technology	BS
		Electronics Engineering Technology	BS
		Industrial Engineering Technology	BS
		Mechanical Engineering Technology	BS
		(Pre-Architecture)**	
		(Pre-Engineering)**	

*Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education, (BS) Bachelor of Science, (BSBA) Bachelor of Science in Business Administration, (BSN) Bachelor of Science in Nursing, (BSW) Bachelor of Social Work.

**This program does not lead to a degree. Students completing pre-professional programs will select an academic major with an emphasis in the appropriate pre-professional area.

***(P) Programs

Obviously, many of these majors involve the closest cooperation among the University's academic departments. A detailed analysis of majors, emphasis areas, and minors is found under the section of this **Bulletin** devoted to each specific college. Requirements for an academic minor may be waived for students completing either the Army or Air Force ROTC programs.

COLLEGE OF THE ARTS

ACADEMIC OFFERINGS
1996-1997

School/Department	Major/Emphasis	Degree**
SCHOOL OF MUSIC		
	MUSIC*	BM
	Church Music Emphasis	
	Composition Emphasis	
	History and Literature Emphasis	
	Jazz Studies Emphasis	
	Music Industry Emphasis	
	Performance Emphasis (Organ, Percussion, Piano, Guitar, Strings, Voice, Wind Instruments)	
	MUSIC EDUCATION	BME
	Choral Emphasis (Guitar, Keyboard, Vocal)	
	Instrumental Emphasis (Guitar, Keyboard, Strings, Wind Instruments, Percussion)	
ART		
	ART*	BA,BFA
	Art Emphasis	
	Art Education Emphasis	
	Drawing and Painting Emphasis	
	Graphic Communication Emphasis	
	Three Dimensional Design Emphasis	
THEATRE AND DANCE		
	DANCE*	BFA
	THEATRE	*BA,BFA
	Acting Emphasis	
	Design and Technical Emphasis	
	General Theatre Emphasis	

*Minor Available
**Degree Abbreviations: (BA) Bachelor of Arts, (BFA) Bachelor of Fine Arts, (BM) Bachelor of Music, (BME) Bachelor of Music Education

COLLEGE OF THE ARTS

Harold Luce, Dean
Hattiesburg, MS 39406-5031
(601) 266-4984

The primary purpose of the College of The Arts is to provide its students with a well-rounded preparation for professional and teaching careers in one of the many branches of art, music, dance, or theatre. In addition, it seeks to provide opportunities for students in all departments of the University to participate in artistic activities and develop an awareness of cultural values.To achieve its purposes, the College of The Arts offers courses of study centered around a core of theoretical, historical, and other academic subjects, as well as performance activities that are designed to develop artistic ability and general cultural awareness.

ORGANIZATION

The College of The Arts is organized into the School of Music, the Department of Art, and the Department of Theatre and Dance. Baccalaureate majors are available in Art, Art Education, Music, Music Education, Dance, and Theatre. Undergraduate minors are available in Art, Dance, Music, and Theatre. An Allied Arts course, which is designed to introduce the arts in an integrated manner, is taught by teams of instructors drawn from each department of the College. This course is one of several which fulfill the University's core requirements for fine arts.

Since curricular requirements vary for each major, students desiring degrees from the College of The Arts should follow the courses outlined under each department.

Students majoring in elementary education who wish to emphasize areas in fine arts, please see "Areas of Concentration for Elementary Certification."

SCHOOL OF MUSIC

Peter L. Ciurczak, Director
Hattiesburg, MS 39406-5081
(601) 266-5363

Andersen, Behm, Bivins, Carnovale, Cox, Davis, Dean, DeChiaro, Donohue, Fedotov, Fraschillo, Gwozdz, R.H. Hill, Hofacre, Hong, Jerome, Koch, Lebsack, Leventhal, Luce, Lucktenberg, Malone, Moreland, Moser, Panella, Ragsdale, Rice, R.X. Sanchez, L.D. Smith, Stein, M.A. Stringer, Tisdale, Tuley, Waldoff, V. Wood, Wooton, York, Zaninelli

The University of Southern Mississippi School of Music is a fully-accredited member of the National Association of Schools of Music. Requirements are in accordance with the published regulations of this Association.

Students electing to take applied lessons not required for specific degree programs are required to pay an additional fee. (See Special Fees and Expenses.)

There are two undergraduate majors available to students in the School of Music, a major in Music or in Music Education. Emphasis areas in music are: Church Music, Jazz, Music History and Literature, Organ, Percussion, Piano, Strings (including Guitar), Composition, Music Industry, Voice, and Wind Instruments. Music Education emphasis areas are: Instrumental and Choral (with plans for singers, keyboardists, guitarists, and elementary school teachers).

Major Ensemble Requirement

Every music or music education degree requires participation in the same major ensemble for the equivalent of eight consecutive semesters, excluding summers; music education majors who graduate within eight semesters are excused from meeting one semester of this eight- semester requirement. Students who transfer to USM will receive one semester of ensemble credit for each semester of participation in an ensemble at their previous institution(s); a maximum of four semesters of credit will be granted. Students who do not have the proper number of terms of registration for the correct major performing ensemble will not be allowed to graduate.

Major performing ensembles are band (excepting summer band), orchestra, and chorus (excepting summer chorus). Jazz lab band satisfies the requirement only for students pursuing the BM degree with emphasis in jazz. For students whose degree plan requires a chorus, assignment to the proper major performing chorus is made by the director of choral activities.

The approval of the School Director must be obtained for any exceptions to the major performing ensemble requirement as stated above.

Advisory Auditions and Approval of Concentration

Every potential music major is required to take placement examinations in music theory and piano prior to the first term of enrollment as a music major. A decision to approve/not approve one's major instrument/voice must be made before the student completes 26 hours. For transfer students, the decision will be made before the end of the first semester of matriculation at USM.

Recital Attendance Requirements

Recital Class is an official class for one (1) hour credit. Music and Music Education majors are required to register for Recital Class (MUP* 299 or 499) and receive a grade of "P" (Passing) each semester for a minimum of eight consecutive semesters, if the student completes degree requirements within eight (8) semesters of full-time enrollment. This requirement will be waived for the semester a student is registered for MED 493. Transfer students receive one semester of recital credit for each semester of full-time work completed at other colleges; the maximum number of semesters that can be credited to any transfer student is four.

*Applied Music courses have the designation of MUP, Musical Performance Studies.

Jury Policy

Music majors and music minors enrolled in MUP Private Lessons in their principal applied area must perform a jury for appropriate applied faculty. All others enrolled in MUP Private Lessons must perform a final examination for the applied teacher. At the finish of each semester and summer term, the applied teacher must complete a "Final Jury/Examination Form" for each student and file it with the Academic Adviser. Students enrolled in applied music who do not take a final examination or a jury will receive the grade "I" or "F." The applied teacher must record and submit any exception to this policy to the Academic Adviser; signatures of all appropriate area faculty must be included on this form.

Emphasis: Church Music

The curriculum in Church Music is designed to provide a thorough and complete course of training for those who intend to pursue church music as a full-time profession. Special emphasis is placed on literature to be used in the church services. Students will not be enrolled for organ until satisfactory proficiency at the piano has been demonstrated.

Students seeking the Church Music Emphasis in the Bachelor of Music Degree must concentrate in one applied music emphasis, either voice, organ or piano. The major emphasis must be studied for a minimum of eight semesters and include twenty semester hours of credit. The student will present a full recital (MUP 470), open to the public, that is graded "Satisfactory" by the appropriate area.

Emphasis: Music Composition

This emphasis is designed to prepare the student for teaching theory and composition and writing and arranging music of serious intent. Various steps in the preparation of music from the preliminary sketch to the published composition are included.

Emphasis: Music History and Literature

The curriculum in Music History and Literature is planned for those who intend ultimately to teach musicology on the college level or for those who desire careers in music librarianship, music journalism, music publishing, or the recording industry— fields in which a wide and comprehensive knowledge of music history and literature is essential.

The student in music history and literature will receive a strong foundation not only in his or her chosen field but also in theory and in academic subjects which will enrich the student's cultural background.

During the final semesters of matriculation, the student must enroll in MUS 492-Special Problems (3 hrs.) for an independent study that culminates in a senior thesis. The exact nature of the thesis will be decided by the student and the musicology faculty of the School of Music. The thesis project should reflect significant individual effort that involves library or field research. The project must conform to scholarly procedures accepted within the discipline. Prospectus: No later than one semester prior to graduation, a prospectus acceptable to the thesis adviser must be submitted.

Emphasis: Music Industry

The aim of the Bachelor of Music degree with an emphasis in Music Industry is to prepare undergraduates for positions in the music industry.

The plan of courses meets the University's general education requirements and the School of Music's expectations for the degree Bachelor of Music. In addition, it provides the opportunity for career-training by allowing one to choose a plan of directed electives that will prepare him/her for a job in a music industry field. These twenty-four to twenty-seven hours of directed electives, along with required courses in Music Industry, will train students for employment in Merchandising, Music Management, Film and Video, Video and Audio, Public Relations, or Advertising.

No matter which group of directed electives is chosen, 112-115 hours of the required 136-142 hours in the degree are the same for all who emphasize Music Industry.

In addition to completing the usual four-year undergraduate program, the student must intern in the industry for a summer term or for a Fall or Spring semester.

REQUIREMENTS FOR A MAJOR IN MUSIC EDUCATION

(Bachelor of Music Education—BME)

The curricula in music education are designed to prepare musicians who will teach in the public or private schools or teach privately. The emphases listed below are designed to provide a balance between music performance, music pedagogy, and general education. These curricula are fully-certified by the National Association of Schools of Music, and they satisfy teacher certification requirements. To satisfy requirements in the State of Mississippi, students seeking the BME degree must earn a grade of C or better in all courses carrying the MED prefix.

Criteria for Admission to Teacher Education Programs, Completion of Teacher Education Programs, forms, deadlines and procedures can be found in this BULLETIN under the heading COLLEGE OF EDUCATION AND PSYCHOLOGY.

Students seeking the Bachelor of Music Education degree must:

a) make satisfactory progress with one concentrate (e.g., flute, voice) in at least seven (7) semesters of applied music study (summers are not included);

b) present a half-recital (MUP 395), open to the public, that is graded "Satisfactory" by the appropriate faculty area.

Piano Competency

Music education majors (including transfer students) are required to pass a piano competency test before enrolling in Student Teaching. Piano competencies are developed through enrollment in a four-semester sequence of piano classes, applied lessons, or a combination of both.

Freshmen who matriculate with substantial piano backgrounds may begin private study immediately. Freshmen with limited experience in piano will be screened during their spring term, then begin class piano their sophomore year. Transfer students are encouraged to attempt the Piano Competency Examination prior to matriculation at USM (call 601-266-5363 for an appointment); testing and advising will also be conducted during the first day of classes each semester (including summer sessions) for those who are unable to arrange prior examinations.

A block of time will be scheduled during Juries each semester (including summer sessions) for Piano Competency Examination appointments.

This program provides students with an opportunity to reduce the number of semesters in piano study. The Piano Competency Examination can be taken any time it is offered. Students are encouraged to pass the examination as soon as possible. Those who pass before they have registered for four hours of piano credit may use the remaining hours for further piano study or for elective credit. If proficiencies are not developed in pace with the class piano syllabus, the number of semesters will be increased. Credit hours accumulated is not a criterion for passing the competency examination.

Emphasis: Choral Music—Elementary Education

Students wishing to become Elementary School Music specialists should follow the curriculum for Instrumental, Keyboard, Guitar, or Vocal Emphasis with the following exception: MED 440 should replace MED 411 or 412 and MUS 456 should be added.

PACE DEGREE PLAN

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Composition 84
History and Literature 85
Jazz Studies 86
Music Industry 87
Organ 88
Percussion 89
Piano 90
Strings 91
Voice 92
Wind Instruments 93
Choral - Guitar 94
Instrumental 95
Choral - Keyboard 96
Choral - Vocal 97

Requirements for a Minor in Applied Music

Students minoring in Applied Music must complete eighteen (18) hours as follows: Required— six (6) hours of private applied or group study; two performances on a student (class) recital; and three semesters in an appropriate major ensemble. Electives— nine (9) hours chosen from MUS 100, 101, 102, 201, 231, 232, and MED 331/333 or MED 332.

Requirements for a Minor in History and Music History

Students seeking to complete a minor in History and Music History must complete twenty-four (24) hours in the following courses, nine of which must be in music. HIS 140 or 141, 401, 407, 413, 424.MUS 231, 232, 332, 360, 431, 432, 433, 434, 435, 436, 437, 450, 471.

Requirements for a Minor in Music History and Theory

Students minoring in Music History and Theory must complete eighteen (18) hours in any courses bearing a prefix of MUS or MED (excluding MED 100 and MUS 361).

Note: Many of the courses offered by the School of Music have prerequisites; students should consult the University Bulletin for the course descriptions.

DEPARTMENT OF ART

Harry Ward, Interim Chair

Hattiesburg, MS 39406-5033

(601) 266-4972

Baggett, J. Bowman, Brewer, Goggin, Gorzegno, House, Meade, Van Houten

The University of Southern Mississippi's Department of Art is an accredited institutional member of the National Association of Schools of Art and Design. Requirements are in accordance with the published regulations of NASAD.

Curricula leading to the degree of Bachelor of Fine Arts are offered in art education, drawing and painting, graphic communication and three-dimensional design. Curricula are also available in art leading to the degree of Bachelor of Arts. Minor programs are available in art. The National Teacher Examinations are required of all students with an emphasis in Art Education.

Professional and student art exhibitions are continuously on view in the C. W. Woods Art Gallery and the Walter Lok Exhibition Lobby.

PACE DEGREE PLAN

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Art 98
Art Education 99
Drawing and Painting 100
Graphic Communication 101
Three Dimensional Design 102

Requirements for a Minor in Art

Students minoring in Art Studio must complete twenty-one (21) hours as follows: Art Core (ART 101, 102, 111) and twelve (12) hours elective courses (ART 112 [strongly recommended]), 200 and 300-level Art Studio and 300-level Art History).

Requirements for a Minor in Art History

Students minoring in Art History must complete the following twenty-one (21) hours: ART 131, 332, 334 and twelve (12) hours of Art History (elect from ART 400, 431, 432, 433, 434, 435, 436, 498).

DEPARTMENT OF THEATRE AND DANCE

George Crook, Chair
Hattiesburg, MS 39406-5052
(601) 266-4994
Amacker, Cole, Hayes, Hill, Mullican, Nielsen, Prieur, Quarnstrom

The University of Southern Mississippi Department of Theatre and Dance is an accredited member of the National Association of Schools of Theatre and the National Association of Schools of Dance. Theatre and Dance requirements are in accordance with the published regulations of these Associations.

The Department offers major and minor degree programs in both theatre and dance. These are the only programs in the state offered in a college of the arts. Both programs provide the student with sound theory and intensive practical training and, in addition, opportunities for extensive performance experiences and exposure to visiting professional artists. Not every course is offered every semester. Please refer to the class schedule guide for current semester course offerings.

For information concerning the Master of Fine Arts degree, please consult the Graduate Bulletin.

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B.F.A., Acting 104
B.F.A., Design and Technical 105
B.A., General Theatre 106

Requirements for a Minor in Theatre

Students minoring in Theatre must complete twenty-one (21) hours as follows: THE 103, 120, and 1 hour of Theatre Laboratory; OR THE 100, 120, and 3 hours Theatre Laboratory (from three different laboratory areas). The remainder of the Theatre minor requirements are to be designed in collaboration with the minor adviser in the following areas: General Theatre, Acting, Design & Technical Theatre, Literature/History/Theory/Criticism.

Requirements for a Minor in Dance

Students minoring in Dance must complete twenty-four (24) hours as follows: DAN 107, DAN 252, DAN 258 (9 hours), and fifteen (15) hours as recommended from DAN 253, 254, 259, 300L, 350, 359, 362, 370L, 400L, 452, 453, 458, 462, 463, 464, 465, 466, or 470L.

CHURCH MUSIC

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM
- 02 SELECT 3 HOURS FROM DEPT OF ENG, CSS, FL, PHI, SCM, HIS, REL, ANT, ECO, GHY, PS, PSY, AND SOC. COURSES DESCRIBED IN CATEGORY I, II, AND III OF THE GENERAL EDUCATION CURRICULUM.

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 CHOIR MUST BE TAKEN 8 TIMES. (MUP 283 / MUP 288) FOR 4 SEMESTERS AND (MUP 483 / MUP 488) FOR 4 SEMESTERS
- 02 RECITAL CLASS MUST BE TAKEN 8 TIMES. (MUP 299 FOR 4 SEMESTERS) AND (MUP 499 FOR 4 SEMESTERS).
- 03 MUP 470.
- 04 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231, AND MUS 232.
- 06 MUS 462, MUS 301, MUS 302, MUS 305, MUS 306, MUS 351, MUS 401, MUS 423, MUS 448, MUS 453 AND MUS 460.
- 07 MUS 321 OR MUS 322
- 08 MED 331, (MED 332 / MED 333) AND MED 450.
- 09 SELECT 20 HOURS FROM DEPT OF MUP. COURSES SELECTED SHOULD BE IN MAJOR INSTRUMENT AREA OF STUDY.
- 10 SELECT 4 HOURS FROM DEPT OF MUP. THESE ARE MINOR INSTRUMENT COURSES.

Minimum of 145 Hours in Program

COMPOSITION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111.
- 02 CSS 100.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 SELECT 6 HOURS FROM DEPT OF FL.
- 02 MED 101, MED 102, MED 201, AND MED 202
- 03 MUP 291 AND 292 MUST BE TAKEN FOR 1 HOUR EACH AND MUP 391, MUP 392, MUP 491, AND MUP 492 MUST BE TAKEN FOR 2 HOURS EACH.
- 04 RECITAL CLASS MUST BE TAKEN 8 TIMES. (MUP 299 FOR 4 SEMESTERS) AND (MUP 499 FOR 4 SEMESTERS).
- 05 MUS 100, MUS 101, MUS 102, MUS 103, MUS 104.
- 06 MUS 321 AND MUS 322.
- 07 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 08 MED 331 AND MED 333 OR MED 332.
- 09 MUS 301, MUS 302 AND MUS 401.
- 10 SELECT 3 HOURS FROM MUSIC HISTORY/LITERATURE COURSES.
- 11 SELECT 28 HOURS FROM DEPT OF MUP. THESE HOURS ARE TO INCLUDE ENSEMBLE AND MAJOR INSTRUMENT COURSES OF STUDY, THESE COURSES ARE TO BE DETERMINED BY DEPARTMENT.

Minimum of 137 Hours in Program

HISTORY AND LITERATURE
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111

02. HUMANITIES AND FINE ARTS
- 01 ENG 203.
- 03 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 SELECT 12 HOURS FROM DEPT OF FL.
- 02 MED 101, MED 102, MED 201, AND MED 202
- 03 RECITAL CLASS MUST BE TAKEN 8 TIMES. (MUP 299 FOR 4 SEMESTERS) AND (MUP 499 FOR 4 SEMESTERS).
- 04 MUP 485 MUST BE TAKEN FOR 4 SEMESTERS EACH.
- 05 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 06 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 07 MED 331 AND MED 333 OR MED 332.
- 08 MUS 301, MUS 302 AND MUS 401.
- 09 MUS 321 AND MUS 322.
- 10 SELECT 15 HOURS FROM DEPT OF MUS HISTORY AND LITERATURE CRS OF WHICH 3 HOURS MUST BE MUS 492.
- 11 SELECT 16 HOURS FROM DEPT OF MUP. THESE HOURS ARE TO INCLUDE MAJOR INSTRUMENT COURSES OF STUDY, THESE COURSES ARE TO BE DETERMINED BY DEPARTMENT.
- 12 8 SEMESTERS OF A MAJOR ENSEMBLE IS REQUIRED (4 SEMESTERS EACH OF MUP 282 AND MUP 482, MUP 283/288 AND MUP 483/488, OR 8 SEMESTERS OF MUP 481)

Minimum of 146 Hours in Program

JAZZ STUDIES
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111
- 02 SELECT 3 HOURS FROM DEPT OF CSS, SCM, FL, SCM, PHI, REL, AMS, ECO, GHY, PS, PSY AND SOC.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201 AND MED 202.
- 02 MUP 484 FOR 8 SEMESTERS
- 03 MUP 480 MUST BE TAKEN FOR 4 HOURS.
- 04 RECITAL CLASS MUST BE TAKEN 8 TIMES. (MUP 299 FOR 4 SEMESTERS) AND (MUP 499 FOR 4 SEMESTERS).
- 05 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 06 MED 332.
- 07 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 08 MUS 302, MUS 360, MUS 367, MUS 368, MUS 375, MUS 376, MUS 401, MUS 470, MUS 301, MUS 322, MUS 467, MUS 468, MUS 475 AND MUS 476.
- 09 SELECT 16 HOURS FROM DEPT OF MUP. THESE ARE MAJOR INSTRUMENT COURSES.

Minimum of 143 Hours in Program

MUSIC INDUSTRY
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, CSS 145
- 02 SCM 111.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 ECO 201 AND PSY 110.

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, MED 202
- 02 RECITAL CLASS MUST BE TAKEN 8 TIMES. (MUP 299 FOR 4 SEMESTERS AND MUP 499 FOR 4 SEMESTERS)
- 03 MUS 100, MUS 101, MUS 102, MUS 103, MUS 104, MUS 301, AND MUS 302.
- 04 MUS 105, MUS 106, MUS 303, AND MUS 405.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 06 MUP 395.
- 07 SELECT 3 HOURS MUSIC HISTORY ELECTIVE.
- 08 MUS 406.
- 09 DEPENDING ON CAREER TRACK, 18 TO 30 HOURS OF DIRECTED ELECTIVES.
- 10 SELECT 17 HOURS OF MUP COURSES. THESE HOURS ARE TO INCLUDE ENSEMBLE AND MAJOR INSTRUMENT COURSES OF STUDY, THESE COURSES ARE TO BE DETERMINED BY DEPARTMENT.

Minimum of 141 Hours in Program

ORGAN
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MUP 101, MUP 102, MUP 111, MUP 112, MUP 211 AND MUP 212.
- 02 MUP 283 OR MUP 288 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 MUST BE TAKEN 4 TIMES EACH.
- 03 MUS 100, MUS 101, MUS 102, MUS 103, MUS 104.
- 04 SELECT 6 HOURS FROM DEPT OF FL.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 06 MED 331, MED 332, MED 301, MUS 423, MED 454 AND MED 455.
- 07 MUP 311, MUP 312, MUP 370, MUP 471 FOR 4 SEMESTERS, MUP 411, MUP 412 AND MUP 470.
- 08 MUP 483/488 MUST BE TAKEN FOR 4 SEMESTERS AND MUP 499 MUST BE TAKEN 4 SEMESTERS.
- 09 MUS 301, MUS 302, MUS 401, MUS 460, MUS 462, MUS 444.
- 10 MUS 321 OR MUS 322

Minimum of 147 Hours in Program

PERCUSSION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111
- 02 SELECT 3 HOURS FROM DEPT OF CSS, SCM, FL, SCM, PHI, REL, AMS, ECO, GHY, PS, PSY AND SOC.

02. HUMANITIES AND FINE ARTS
- 01 ENG 203.
- 02 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, AND MED 202
- 02 MUP 156, MUP 157, MUP 256 AND MUP 257.
- 03 MUP 282 AND MUP 482 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 AND MUP 499 MUST BE TAKEN FOR 4 SEMESTERS EACH.
- 04 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 06 MED 332, AND MED 458.
- 07 MUP 356, MUP 357, MUP 370, MUP 471 (FOR 4 SEMESTERS), MUP 456, MUP 457, MUP 470.
- 08 MUS 301, MUS 302, (MUS 321 OR MUS 322), MUS 401, AND MUS 446.
- 09 SELECT 3 HOURS FROM MUSIC HISTORY COURSES.

Minimum of 137 Hours in Program

PIANO

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS

01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111

02 SELECT 3 HOURS FROM DEPT OF CSS, SCM, FL, SCM, PHI, REL, AMS, ECO, GHY, PS, PSY AND SOC.

02. HUMANITIES AND FINE ARTS

01 HIS 101 AND HIS 102.

02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES

01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES

01 SELECT 3 GROUP FROM THOSE LISTED BELOW:

A AST 111 AND AST 111L
B AST 112 AND AST 112L
C BSC 103 AND BSC 103L
D BSC 110 AND BSC 110L
E BSC 107 AND BSC 107L
F BSC 108 AND BSC 108L
G BSC 111 AND BSC 111L
H CHE 101 AND CHE 101L
I CHE 102 AND CHE 102L
J CHE 104 AND CHE 104L
K GLY 101 AND GLY 101L
L GLY 103 AND GLY 103L
M GLY 151 AND GLY 151L
N PHY 101 AND PHY 101L
O PHY 102 AND PHY 102L
P PHY 103 AND PHY 103L
Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS

01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY

01 MUP 101, MUP 102, MUP 201 AND MUP 202.

02 MUP 282, MUP 283, OR MUP 481 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 MUST BE TAKEN 4 TIMES EACH.

03 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.

04 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.

05 MED 332 OR MED 331 AND MED 333.

06 MUP 482, MUP 483, OR MUP 481 MUST BE TAKEN FOR 2 HOURS EACH AND MUP 499 MUST BE TAKEN 4 TIMES EACH.

07 MUP 301, MUP 302, MUP 370, MUP 471 (FOR 2 SEMESTERS), MUP 375, MUP 376, MUP 401, MUP 402, MUP 470, MUP 475 AND MUP 476.

08 MUS 301, MUS 302, MUS 322, MUS 442.

09 MED 452 AND MED 453.

10 SELECT A 3 HOUR MUSIC HISTORY COURSE.

Minimum of 142 Hours in Program

STRINGS
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111
- 02 SELECT 3 HOURS FROM DEPT OF CSS, SCM, FL, SCM, PHI, REL, AMS, ECO, GHY, PS, PSY AND SOC.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, MED 202
- 02 8 HOURS OF MUP 481
- 03 RECITAL CLASS MUST BE TAKEN 8 TIMES . (MUP 299 FOR 4 SEMESTERS AND MUP 499 FOR 4 SEMESTERS),
- 04 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 06 MED 331, MED 332, AND MED 456.
- 07 MUP 370, MUP 470, AND MUP 471 FOR 4 SEMESTERS.
- 08 MUS 301, MUS 302, (MUS 321 OR MUS 322), MUS 401, AND MUS 446.
- 09 SELECT 24 HOURS FROM DEPT OF MUP INSTRUMENT COURSES TO BE DETERMINED BY STUDENT'S CHOICE OF MAJOR INSTRUMENT
- 10 SELECT A 3 HOUR MUSIC HISTORY COURSE.

Minimum of 138 Hours in Program

VOICE
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, MED 202, MUP 161 AND MUP 162.
- 02 MUP 283 OR MUP 288 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 MUST BE TAKEN 4 TIMES EACH.
- 03 MUP 261 AND MUP 262.
- 04 MUP 361, MUP 362 AND MUP 370.
- 05 MUP 461, MUP 462 AND MUP 470.
- 06 MUP 490, MUP 488, AND MUP 499 MUST BE TAKEN FOR 4 SEMESTERS EACH.
- 07 MUS 100, MUS 101, MUS 102, MUS 103, MUS 104, AND FRE 405 OR GER 405.
- 08 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 09 MUS 301, MUS 302, MUS 440 AND MUS 441.
- 10 MUS 321 OR MUS 322
- 11 MED 331, MED 333, MED 450 AND MED 451.
- 12 SELECT 12 HOURS FROM DEPT OF FL. MUS BE FRE, GER, OR ITA.
- 13 SELECT 3 HOURS FROM MUSIC HISTORY COURSES.

Minimum of 141 Hours in Program

WIND INSTRUMENTS

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT, SCM 111
- 02 SELECT 3 HOURS FROM DEPT OF CSS, SCM, FL, SCM, PHI, REL, AMS, ECO, GHY, PS, PSY AND SOC.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, AND MED 202
- 02 MUP 282 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 MUST BE TAKEN FOR 4 SEMESTERS EACH.
- 03 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 04 MED 332 AND MED 458.
- 05 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 06 MUP 370, MUP 470, AND MUP 471 FOR 4 HOURS.
- 07 MUS 301, MUS 302, (MUS 321 OR MUS 322), MUS 401, AND MUS 446.
- 08 SELECT 24 HOURS FROM DEPT OF MUP INSTRUMENT COURSES TO BE DETERMINED BY STUDENT'S CHOICE OF MAJOR INSTRUMENT
- 09 MUP 482 MUST BE TAKEN FOR 4 HOURS AND MUP 499 MUST BE TAKEN FOR 4 SEMESTERS EACH.
- 10 SELECT 3 HOURS FROM MUSIC HISTORY COURSES.

Minimum of 137 Hours in Program

CHORAL—GUITAR
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.
- 03 SELECT 3 HOURS FROM DEPT OF ENG COURSES DESCRIBED IN THE LITERATURE SECTION OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 PSY 110.
- 02 PS 101.

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 4 HOURS FROM DEPT OF BSC.
- 02 SELECT 1 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C CHE 101 AND CHE 101L
  - D CHE 102 AND CHE 102L
  - E CHE 104 AND CHE 104L
  - F GLY 101 AND GLY 101L
  - G GLY 103 AND GLY 103L
  - H GLY 151 AND GLY 151L
  - I PHY 101 AND PHY 101L
  - J PHY 102 AND PHY 102L
  - K PHY 103 AND PHY 103L

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, AND MED 202, MED 311, MED 312, MED 331, MED 333, MED 410, AND MED 411.
- 02 MUP 161, MUP 162, MUP 167, MUP 168, MUP 267, MUP 268, MUP 367, MUP 368, AND MUP 467.
- 03 MUP 281 OR MUP 282 OR MUP 286 COURSE CHOSEN MUST BE TAKEN FOR 4 HOURS.
- 05 MUP 481 OR MUP 482 OR MUP 486 COURSE CHOSEN MUST BE TAKEN FOR 3 HOURS.
- 06 MUP 299 MUST BE TAKEN FOR 4 SEMESTERS EACH AND MUP 499 MUST BE TAKEN FOR 3 SEMESTERS.
- 07 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 08 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231, MUS 232, AND MUS 448.
- 09 MED 450, MED 493, AND MED 494.
- 10 PSY 374, REF 400, SPE 400, AND REF 469.

07. TEACHER EDUCATION REQUIREMENTS
- 01 STUDENTS WISHING TO PARTICIPATE IN TEACHER EDUCATION PROGRAMS MUST SEQUENTIALLY:
  1. COMPLETE 44 ACCEPTABLE HOURS OF THE GENERAL EDUCATION CURRICULUM WITH MINIMUM GPA OF 2.5, AND PASS THE COLLEGE OUTCOME MEASURES PROGRAM (C.O.M.P.), OR THE NATIONAL TEACHER'S EXAM. EXAM SHOULD BE TAKEN THE LAST SEMESTER OF THE SOPHOMORE YEAR.
  2. BE FORMALLY ADMITTED INTO THE TEACHER EDUCATION PROGRAM (USUALLY BY THE FIRST TERM OF THE JUNIOR YEAR).
- 02 PSY 374, SPE 400, REF 400 AND REF 469.
  3. PASS THE BASIC CORE EXAM.
- 03 MED 410 (AREA METHODS).
  4. PASS THE ADVANCED CORE EXAM.
  5. PASS THE PIANO COMPETENCY EXAM.
- 04 MED 493 AND MED 494 (STUDENT TEACHING).
  6. TAKE THE NTE (ADVANCED) AND APPLY FOR CERTIFICATION.

Minimum of 152 Hours in Program

INSTRUMENTAL
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203 OR ENG 204.
- 03 SELECT 3 HOURS FROM DEPT OF ENG COURSES DESCRIBED IN THE LITERATURE SECTION OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 PSY 110.
- 02 PS 101.

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 4 HOURS FROM DEPT OF BSC.
- 02 SELECT 1 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C CHE 101 AND CHE 101L
  - D CHE 102 AND CHE 102L
  - E CHE 104 AND CHE 104L
  - F GLY 101 AND GLY 101L
  - G GLY 103 AND GLY 103L
  - H GLY 151 AND GLY 151L
  - I PHY 101 AND PHY 101L
  - J PHY 102 AND PHY 102L
  - K PHY 103 AND PHY 103L

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MED 201, AND MED 202.
- 02 MUP 282 AND MUP 299 (FOR 4 SEMESTERS) AND MUP 482 AND MUP 499 (FOR 3 SEMESTERS) AND MUP 283 (FOR 1 SEMESTER).
- 05 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 06 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 07 MED 221, MED 400, MED 427 AND MED 428.
- 08 SELECT 12 HOURS FROM DEPT OF MUP.

(APPROPRIATE INSTRUMENT COURSES MUST BE SELECTED.)
- 09 MED 311, MED 312, MED 332, MED 412, AND MED 413.
- 10 MED 400, MED 410, MED 493, MED 494, MUS 301, AND MUS 302

07. TEACHER EDUCATION REQUIREMENTS
- 01 STUDENTS WISHING TO PARTICIPATE IN TEACHER EDUCATION PROGRAMS MUST SEQUENTIALLY:
  1. COMPLETE 44 ACCEPTABLE HOURS OF THE GENERAL EDUCATION CURRICULUM WITH MINIMUM GPA OF 2.5, AND PASS THE COLLEGE OUTCOME MEASURES PROGRAM (C.O.M.P.), OR THE NATIONAL TEACHER'S EXAM. EXAM SHOULD BE TAKEN THE LAST SEMESTER OF THE SOPHOMORE YEAR.
  2. BE FORMALLY ADMITTED INTO THE TEACHER EDUCATION PROGRAM (USUALLY BY THE FIRST TERM OF THE JUNIOR YEAR).
- 02 PSY 374, SPE 400, REF 400 AND REF 469.
  3. PASS THE BASIC CORE EXAM.
- 03 MED 410 (AREA METHODS).
  4. PASS THE ADVANCED CORE EXAM.
  5. PASS THE PIANO COMPETENCY EXAM.
- 04 MED 493 AND MED 494(STUDENT TEACHING).
  6. TAKE THE NTE (ADVANCED) AND APPLY FOR CERTIFICATION.

Minimum of 153 Hours in Program

CHORAL —KEYBOARD

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS

01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT

02 SCM 111.

02. HUMANITIES AND FINE ARTS

01 HIS 101 AND HIS 102.

02 ENG 203.

03 SELECT 3 HOURS FROM DEPT OF ENG COURSES DESCRIBED IN THE LITERATURE SECTION OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES

01 PS 101.

02 PSY 110.

04. NATURAL AND APPLIED SCIENCES

01 SELECT 4 HOURS FROM DEPT OF BSC.

02 SELECT 1 GROUP FROM THOSE LISTED BELOW:

A AST 111 AND AST 111L

B AST 112 AND AST 112L

C CHE 101 AND CHE 101L

D CHE 102 AND CHE 102L

E CHE 104 AND CHE 104L

F GLY 101 AND GLY 101L

G GLY 103 AND GLY 103L

H GLY 151 AND GLY 151L

I PHY 101 AND PHY 101L

J PHY 102 AND PHY 102L

K PHY 103 AND PHY 103L

05. HUMAN WELLNESS

01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY

01 MUP 101, MUP 102 AND MUP 161.

02 MUP 282 AND MUP 299 (FOR 4 SEMESTERS) AND MUP 482 AND MUP 499 (FOR 3 SEMESTERS) AND MUP 283 (FOR 1 SEMESTER).

03 MED 311, MED 312, MED 331, MED 333, MED 411, MED 450, MED 452, MED 410, MED 493, AND MED 494.

04 MUP 161, MUP 162, MUP 201, MUP 202, MUP 261, MUP 262, MUP 301, MUP 302, MUP 390, MUP 401, MUP 488 FOR 3 SEMESTERS AND MUP 499 FOR 3 SEMESTERS.

05 MUP 288 MUST BE TAKEN FOR 4 HOURS; MUP 299 MUST BE TAKEN FOR 4 SEMESTERS EACH.

06 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.

07 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.

08 MUS 301, MUS 302, AND MUS 448.

07. TEACHER EDUCATION REQUIREMENTS

01 STUDENTS WISHING TO PARTICIPATE IN TEACHER EDUCATION PROGRAMS MUST SEQUENTIALLY:

1. COMPLETE 44 ACCEPTABLE HOURS OF THE GENERAL EDUCATION CURRICULUM WITH MINIMUM GPA OF 2.5, AND PASS THE COLLEGE OUTCOME MEASURES PROGRAM (C.O.M.P.), OR THE NATIONAL TEACHER'S EXAM. EXAM SHOULD BE TAKEN THE LAST SEMESTER OF THE SOPHOMORE YEAR.
2. BE FORMALLY ADMITTED INTO THE TEACHER EDUCATION PROGRAM (USUALLY BY THE FIRST TERM OF THE JUNIOR YEAR).

02 PSY 374, SPE 400, REF 400 AND REF 469.

3. PASS THE BASIC CORE EXAM.

03 MED 410 (AREA METHODS).

4. PASS THE ADVANCED CORE EXAM.
5. PASS THE PIANO COMPETENCY EXAM.

04 MED 493 AND MED 494 (STUDENT TEACHING).

6. TAKE THE NTE (ADVANCED) AND APPLY FOR CERTIFICATION.

Minimum of 150 Hours in Program

CHORAL—VOCAL

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.
- 03 SELECT 3 HOURS FROM DEPT OF ENG COURSES DESCRIBED IN THE LITERATURE SECTION OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 PS 101.
- 02 PSY 110.

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 4 HOURS FROM DEPT OF BSC.
- 02 SELECT 1 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C CHE 101 AND CHE 101L
  - D CHE 102 AND CHE 102L
  - E CHE 104 AND CHE 104L
  - F GLY 101 AND GLY 101L
  - G GLY 103 AND GLY 103L
  - H GLY 151 AND GLY 151L
  - I PHY 101 AND PHY 101L
  - J PHY 102 AND PHY 102L
  - K PHY 103 AND PHY 103L

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 MED 101, MED 102, MUP 161 AND MUP 162.
- 02 MUS 100, MUS 101, MUS 102, MUS 103, AND MUS 104.
- 03 MED 201, MED 202, MUP 261, MUP 262, MUP 288 (FOR 4 SEMESTERS) AND MUP 499 (FOR 4 SEMESTERS).
- 04 MUS 201, MUS 202, MUS 203, MUS 204, MUS 231 AND MUS 232.
- 05 MED 311, MED 312, MED 331, MED 333, MED 410, MED 411, MED 450, MED 493 AND MED 494.
- 06 MUP 361, MUP 362, MUP 490 (1 SEMESTER), AND MUP 461
- 07 MUP 288 MUST BE TAKEN FOR 4 HOURS EACH AND MUP 299 MUST BE TAKEN FOR 4 SEMESTERS EACH; MUP 488 MUST BE TAKEN FOR 3 HOURS AND MUP 499 MUST BE TAKEN FOR 3 HOURS.
- 08 MUS 301, MUS 302, AND MUS 448.

07. TEACHER EDUCATION REQUIREMENTS
- 01 STUDENTS WISHING TO PARTICIPATE IN TEACHER EDUCATION PROGRAMS MUST SEQUENTIALLY:
  1. COMPLETE 44 ACCEPTABLE HOURS OF THE GENERAL EDUCATION CURRICULUM WITH MINIMUM GPA OF 2.5, AND PASS THE COLLEGE OUTCOME MEASURES PROGRAM (C.O.M.P.), OR THE NATIONAL TEACHER'S EXAM. EXAM SHOULD BE TAKEN THE LAST SEMESTER OF THE SOPHOMORE YEAR.
  2. BE FORMALLY ADMITTED INTO THE TEACHER EDUCATION PROGRAM (USUALLY BY THE FIRST TERM OF THE JUNIOR YEAR).
- 02 PSY 374, SPE 400, REF 400 AND REF 469.
  3. PASS THE BASIC CORE EXAM.
- 03 MED 410 (AREA METHODS).
  4. PASS THE ADVANCED CORE EXAM.
  5. PASS THE PIANO COMPETENCY EXAM.
- 04 MED 493 AND MED 494 (STUDENT TEACHING).
  6. TAKE THE NTE (ADVANCED) AND APPLY FOR CERTIFICATION.

Minimum of 150 Hours in Program

ART

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111

02. HUMANITIES AND FINE ARTS
- 01 ENG 203
- 02 SELECT 3 HOURS FROM DEPT OF ENG OR PHI COURSES DESCRIBED IN THE LITERATURE AND PHILOSOPHY SECTIONS OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM
- 03 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCE
- 01 SELECT 3 GROUPS FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 ART 101, ART 102, ART 111 ART 112, AND ART 113.
- 02 ART 131, ART 332 AND ART 334, ART 201, ART 202.
- 03 SELECT 6 HOURS FROM ART ELECTIVES.
- 04 ANY 2 GROUPS FROM (ART 301, ART 302, ART 303) OR (ART 341, ART 342, ART 343) OR (ART 321, ART 322, ART 323) OR (ART 351 TWICE, ART 451) OR (ART 311, ART 312, ART 313) OR (ART 352 TWICE, ART 452) OR (ART 305, ART 306, ART 307)
- 05 SELECT 21 HOURS FROM ANY DEPT (INCLUDING ART DEPT, THIS COURSEWORK CAN BE MINOR AREA.)
- 06 SELECT 9 HOURS FROM DEPT OF FL SELECT ONLY ONE LANGUAGE. SELECT FROM FRENCH, GERMAN, SPANISH, OR ITALIAN. SEEK ADVICE FROM DEPT OF FL.
- 07 SELECT 1 COURSE FROM GROUP BELOW FOR ART HISTORY ELECTIVE:
  GRP 1: ART 431, ART 432, ART 433, ART 434, ART 435, ART 436, ART 415, ART 420.
  GRP 2: ART 400, ART 498

Minimum of 130 Hours in Program

ART EDUCATION
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111.

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203
- 03 SELECT 3 HOURS FROM DEPT OF ENG COURSES DESCRIBED IN THE LITERATURE SECTION OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 PSY 110.
- 02 SELECT 3 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 8 HOURS FROM DEPT OF BSC AND PHY. COURSES DESCRIBED IN CATEGORY IV OF THE GENERAL EDUCATION CURRICULUM AS LAB SCIENCE.

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105

06. MAJOR AREA OF STUDY
- 01 ART 101, ART 102, ART 111 ART 112, AND ART 113.
- 02 ART 131, ART 201, ART 202, ART 301, ART 321, ART 322, ART 332, ART 334, ART 351 TWICE, AND ART 352 TWICE.
- 03 ARE 452, ARE 482, AND ARE 492.
- 04 SELECT 6 HOURS FROM ANY ART STUDIO ELECTIVES
- 05 SELECT 6 HOURS FROM COURSES ART 431, ART 432, ART 433, ART 434, ART 435, ART 436, ART 498, ART 400, ART 415, ART 420.

07. TEACHER EDUCATION REQUIREMENTS
- 01 STUDENTS WISHING TO PARTICIPATE IN TEACHER EDUCATION PROGRAMS MUST SEQUENTIALLY:
  1. COMPLETE 44 ACCEPTABLE HOURS OF THE GENERAL EDUCATION CURRICULUM WITH MINIMUM GPA OF 2.5, AND PASS THE COLLEGE OUTCOME MEASURES PROGRAM (C.O.M.P.), OR THE NATIONAL TEACHER'S EXAM. EXAM SHOULD BE TAKEN THE LAST SEMESTER OF THE SOPHOMORE YEAR.
  2. BE FORMALLY ADMITTED INTO THE TEACHER EDUCATION PROGRAM (USUALLY BY THE FIRST TERM OF THE JUNIOR YEAR).
- 02 PSY 374, SPE 400, REF 400 AND REF 469.
  3. PASS THE BASIC CORE EXAM.
- 03 ARE 452 (AREA METHODS).
  4. PASS THE ADVANCED CORE EXAM.
- 04 ARE 482 (STUDENT TEACHING).
  5. TAKE THE NTE (ADVANCED) AND APPLY FOR CERTIFICATION.

Minimum of 136 Hours in Program

DRAWING AND PAINTING
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.
- 03 SELECT 3 HOURS FROM DEPT OF ENG OR PHI COURSES DESCRIBED IN THE LITERATURE AND PHILOSOPHY SECTIONS OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCE
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 ART 101, ART 102, ART 111 ART 112, AND ART 113.
- 02 ART 131, ART 201, ART 202, ART 321, ART 322, ART 332 AND ART 334.
- 03 ART 301, ART 302, ART 323, ART 421, ART 303, ART 422, AND ART 428.
- 04 SELECT 21 HOURS FROM DEPT OF ART
- 05 SELECT 9 HOURS FROM COURSES ART 431, ART 432, ART 433, ART 434, ART 435, ART 436, ART 498, ART 400, ART 415, ART 420.

Minimum of 133 Hours in Program

GRAPHIC COMMUNICATION
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102
- 02 ENG 203.
- 03 SELECT 3 HOURS FROM DEPT OF ENG OR PHI COURSES DESCRIBED IN THE LITERATURE AND PHILOSOPHY SECTIONS OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCE
- 01 SELECT 3 GROUP FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 ART 101, ART 102, ART 111 ART 112, AND ART 113.
- 02 ART 131, ART 201, ART 202, ART 311, ART 332, ART 334, ART 341, ART 342 AND ART 344.
- 03 ART 301, ART 312, ART 343, ART 415, ART 441, ART 442, ART 443 AND ART 448
- 04 SELECT 15 HOURS FROM DEPT OF ART
- 05 SELECT 6 HOURS FROM COURSES ART 431, ART 432, ART 433, ART 434, ART 435, ART 436, ART 498, ART 400, ART 415, ART 420.

Minimum of 133 Hours in Program

THREE DIMENSIONAL DESIGN

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS

01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT

02 SCM 111

02. HUMANITIES AND FINE ARTS

01 HIS 101 AND HIS 102

02 ENG 203.

03 SELECT 3 HOURS FROM DEPT OF ENG OR PHI COURSES DESCRIBED IN THE LITERATURE AND PHILOSOPHY SECTIONS OF CATEGORY II OF THE GENERAL EDUCATION CURRICULUM

03. SOCIAL AND BEHAVIORAL SCIENCES

01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCE

01 SELECT 3 GROUP FROM THOSE LISTED BELOW:

A AST 111 AND AST 111L

B AST 112 AND AST 112L

C BSC 103 AND BSC 103L

D BSC 110 AND BSC 110L

E BSC 107 AND BSC 107L

F BSC 108 AND BSC 108L

G BSC 111 AND BSC 111L

H CHE 101 AND CHE 101L

I CHE 102 AND CHE 102L

J CHE 104 AND CHE 104L

K GLY 101 AND GLY 101L

L GLY 103 AND GLY 103L

M GLY 151 AND GLY 151L

N PHY 101 AND PHY 101L

O PHY 102 AND PHY 102L

P PHY 103 AND PHY 103L

Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS

01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY

01 ART 101, ART 102, ART 111 ART 112, AND ART 113.

02 ART 131, ART 201, ART 202, ART 351 TWICE, ART 352 TWICE, ART 332 AND ART 334.

03 ART 301, ART 301 REPEATED OR STUDIO ELECTIVE, ART 451, ART 452, ART 451 REPEATED AND ART 453 OR ART 452 REPEATED AND ART 454, AND ART 458.

04 SELECT 15 HOURS FROM DEPT OF ART

05 SELECT 9 HOURS FROM COURSES ART 431, ART 432, ART 433, ART 434, ART 435, ART 436, ART 498, ART 400, ART 415, ART 420.

Minimum of 133 Hours in Program

DANCE

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SELECT ONE COURSE FROM SCM 111, SCM 305, SCM 320, OR SCM 330

02. HUMANITIES AND FINE ARTS
- 01 ENG 203.
- 02 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC SELECT FROM COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 BSC 250, BSC 250L
- 02 SELECT 1 LAB SCIENCE APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 03 SELECT 3 HOURS FROM DEPT OF AST, BSC, CHE, ESC, FN, FS, GLY, PHY AND MAT COURSES DESCRIBED IN CATEGORY IV OF THE GENERAL EDUCATION CURRICULUM

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. CORE ELECTIVE
- 01 SELECT 3 HOURS FROM COURSES DESCRIBED IN CATEGORIES I, II, OR III OF THE GENERAL EDUCATION CURRICULUM.

07. MAJOR AREA OF STUDY
- 01 DAN 252 (FOR 9 HOURS), DAN 258 (FOR 9 HOURS), DAN 452 (FOR 9 HOURS), DAN 458 (FOR 9 HOURS), DAN 350 (FOR 2 HOURS), DAN 453 (FOR 4 HOURS).
- 02 DAN 253, DAN 259, DAN 359, DAN 370, DAN 470
- 03 DAN 107, DAN 254, DAN 362, DAN 462, DAN 463, DAN 464, DAN 465, DAN 466
- 04 SELECT 12 HOURS FROM ANY DEPT.: SUGGESTED COURSES ARE *DAN 300L, DAN 363, *DAN 370L, DAN 400L, *DAN 470L, DAN 471, DAN 487L, DAN 492, THE 110, THE 202, THE 492, HPR 301, MUS 365. (*BY AUDITION.)

Minimum of 131 Hours in Program

ACTING
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111 OR THE 111

02. HUMANITIES AND FINE ARTS
- 01 HIS 101 AND HIS 102.
- 02 ENG 203 AND ENG 200.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUPS FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. MAJOR AREA OF STUDY
- 01 THE 103 (FULFILLS CAT I CORE REQUIREMENT), THE 111 (FULFILLS CAT II CORE REQUIREMENT), THE 115 AND THE 120.
- 02 CHOOSE 2 FROM (THE 200/200L, THE 201/201L, THE 306/306L)
- 03 THE 215, THE 304, THE 310, THE 320, THE 361, THE 427, THE 429, AND THE 450.
- 04 SELECT 15 HOURS OF ADVANCED THE ELECTIVES TO BE APPROVED BY THEATRE DEPT ADVISER.
- 05 SELECT 12 HOURS FROM THE LABS 481L THRU 489L.
  THESE ARE TO BE PRACTICUM HOURS DEPENDING UPON STUDENT'S AREA OF STUDY.
- 06 SELECT 12 HOURS OF ELECTIVES.

Minimum of 128 Hours in Program

DESIGN AND TECHNICAL

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111 OR THE 111

02. HUMANITIES AND FINE ARTS
- 01 ENG 203 AND ENG 200.
- 03 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUPS FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. CORE ELECTIVES
- 01 ENG 200 OR OTHER APPROVED CATEGORY I, II, OR III OF THE GENERAL EDUCATION CURRICULUM.

07. MAJOR AREA OF STUDY
- 01 THE 103, THE 111, THE 120, THE 200, THE 201, THE 304, THE 306, THE 320, THE 401, THE 406, THE 412, THE 427, THE 428, AND THE 433.
- 02 SELECT 15 HOURS OF ADVANCED THE ELECTIVES TO BE APPROVED BY THEATRE DEPT ADVISER.
- 03 SELECT 12 HOURS FROM THE LABS 481L-489L.
  THESE ARE TO BE PRACTICUM HOURS DEPENDING UPON STUDENT'S CHOICE OF STUDY.
- 04 SELECT 12 HOURS OF ELECTIVES.

Minimum of 129 Hours in Program

GENERAL THEATRE
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS
- 01 ENG 101, ENG 102 AND MAT 101 OR HIGHER LEVEL MAT
- 02 SCM 111 OR THE 111.

02. HUMANITIES AND FINE ARTS
- 01 ENG 203 AND ENG 200.
- 02 HIS 101 AND HIS 102.

03. SOCIAL AND BEHAVIORAL SCIENCES
- 01 SELECT 6 HOURS FROM DEPT OF ANT, ECO, GHY, PS, PSY OR SOC COURSES DESCRIBED IN CATEGORY III OF THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES
- 01 SELECT 3 GROUPS FROM THOSE LISTED BELOW:
  - A AST 111 AND AST 111L
  - B AST 112 AND AST 112L
  - C BSC 103 AND BSC 103L
  - D BSC 110 AND BSC 110L
  - E BSC 107 AND BSC 107L
  - F BSC 108 AND BSC 108L
  - G BSC 111 AND BSC 111L
  - H CHE 101 AND CHE 101L
  - I CHE 102 AND CHE 102L
  - J CHE 104 AND CHE 104L
  - K GLY 101 AND GLY 101L
  - L GLY 103 AND GLY 103L
  - M GLY 151 AND GLY 151L
  - N PHY 101 AND PHY 101L
  - O PHY 102 AND PHY 102L
  - P PHY 103 AND PHY 103L
  - Q ESC 301 OR MAT 103 OR MAT 112

05. HUMAN WELLNESS
- 01 NFS 167 AND HPR 105.

06. CORE ELECTIVES
- 01 ENG 200 OR OTHER APPROVED CATEGORY I, II, OR III OF THE GENERAL EDUCATION CURRICULUM.

07. MAJOR AREA OF STUDY
- 01 THE 103, THE 111, THE 115 AND THE 120.
- 02 CHOOSE 2 FROM (THE 200/200L, THE 201/201L, THE 306/306L)
- 03 THE 304, THE 320, THE 361, THE 427, THE 428, AND THE 429.
- 04 SELECT 12 HOURS OF ADVANCED THE ELECTIVES TO BE APPROVED BY THEATRE DEPT ADVISER.
- 05 SELECT 7 OR MORE HOURS OF THE LABS 481L-489L.
  THESE ARE TO BE PRACTICUM HOURS SPREAD ACROSS ALL AREAS OF THEATRE.
- 06 SELECT A MINOR OF THE STUDENT'S CHOICE. A MINIMUM OF 18 HOURS (MORE FOR SOME MINORS) IS REQUIRED. IF THE STUDENT DOES NOT SELECT A MINOR, THEN AN ADDITIONAL 9 HOURS OF THE AND 9 HOURS OF ELECTIVES IS REQUIRED.

Minimum of 128 Hours in Program

COLLEGE OF BUSINESS ADMINISTRATION

ACADEMIC OFFERINGS
1996-1997

School/Department	Major/Emphasis	Degree**
SCHOOL OF PROFESSIONAL ACCOUNTANCY		
	ACCOUNTING	BSBA
	Accounting Emphasis	
ECONOMICS AND INTERNATIONAL BUSINESS		
	ECONOMICS*	BSBA
	Economics Emphasis	
	International Business Emphasis	
MANAGEMENT AND MIS		
	MANAGEMENT*	BSBA
	Management Emphasis	
	Production/Operations Management Emphasis	
	MANAGEMENT INFORMATION SYSTEMS*	BSBA
	Management Information Systems Emphasis	
MARKETING AND FINANCE		
	MARKETING*	BSBA
	Marketing Emphasis	
	FINANCE*	BSBA
	Banking and Finance Emphasis	
	Insurance Emphasis	
	Real Estate Emphasis	
	BUSINESS ADMINISTRATION*	BSBA
	Business Administration Emphasis	

*Minor Available to Non-Business Students
**Degree Abbreviation: (BSBA) Bachelor of Science in Business Administration.

COLLEGE OF BUSINESS ADMINISTRATION

Tyrone Black, Dean
Roderick B. Posey, Associate Dean
Mary Ann Cockerham, Assistant Dean
Debby Hill, Manager, CBA Undergraduate Academic Services
Hattiesburg, MS 39406-5021
(601) 266-4663

Mission

The College of Business Administration at The University of Southern Mississippi is committed to preparing students for careers in business and to assisting organizations in South Mississippi. Accordingly, our programs emphasize

• values conducive to personal and career development •

• the functions and environment of business •

• communication and critical-thinking •

• the global dimension of business •

• ethical decision-making. •

To fulfill our mission the college seeks a balanced and synergistic agenda of instruction, scholarly activity, and professional service.

Accreditation

Recognizing that the College of Business Administration has fulfilled accreditation requirements, the American Assembly of Collegiate Schools of Business (AACSB) has accredited all business programs offered on the Hattiesburg Campus.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Business Administration (CBA) and is responsible for the operations of the college. In the Dean's Office, the Associate Dean coordinates CBA course schedules and room assignments, budgeting, and space allocation. The Assistant Dean coordinates special events and fund-raising activities for the college. In the CBA Undergraduate Academic Services Office, the Manager oversees admissions to the CBA, recruitment, the advisement process, and degree applications. Students needing assistance should direct inquiries to the CBA Undergraduate Academic Services Office.

Academic Administrative Units

The academic administrative units that report to the Dean's Office are the School of Professional Accountancy, the Division of Business Administration-Gulf Coast, and the Departments of Economics and International Business, Management and MIS, and Marketing and Finance. A list of undergraduate academic offerings appears at the beginning of this section, while detailed information on curricula follows. Each academic area is responsible for maintaining its associated student files and for academic advisement of its majors.

STUDENT PROCEDURES

Admission

High School graduates who have been admitted by the University and who wish to major in an area of business administration are concurrently admitted into the College of Business Administration. Transfer students are likewise admitted directly into the College upon admission to the University.

Students who wish to transfer from another college within the University must have at least a 2.0 GPA overall as well as in all business courses. Application may be made to the CBA throughout the year, but applications normally will not be processed during the final two weeks of a term. After admission to the College, students will be advised in the appropriate department or school.

Restrictions

The College of Business Administration imposes the following limitations on transfer credits:

1. Courses offered at the junior or senior level at The University of Southern Mississippi are not normally accepted in transfer from two-year institutions.
2. Not more than one-half of the College of Business Administration core curriculum plus requirements for the major is accepted in transfer.
3. Transfer courses designated as technical training courses, as well as developmental courses such as intermediate algebra, are not accepted as meeting degree requirements.
4. See additional restrictions on transfer credit under a following "Graduation Requirements" section.

In addition, there are the following restrictions for enrolling in courses offered by the College of Business Administration:

1. At least junior standing (54 hours completed) is required of all students enrolling in College of Business Administration courses numbered 300 or above.
2. College of Business Administration majors must have completed the following twenty-three (23) hours with a minimum GPA of 2.00 prior to beginning their junior-level business courses: ACC 200, ECO 201/202, ENG 101/102, MAT 101/102, and MIS 201/202.
3. Students majoring in degree programs outside of the College of Business Administration may not take more than 30 credit hours of Business Administration courses (including transfer credit) without being admitted to the College.
4. Students are not normally allowed to be dually enrolled at USM-Hattiesburg and another institution. Students must obtain approval from the Manager of CBA Undergraduate Academic Services prior to dual enrollment. The dual enrollment policy includes independent study courses as well.

Changes of Major

College of Business Administration students who wish to change to another business major can do so by completing a "Change of Major" form in the CBA Undergraduate Academic Services Office. The academic areas involved are notified so that advisement files can be transferred.

Students who desire to transfer to a degree program outside the College of Business Administration must first be accepted by the college offering the program. Applications for admission to the new program are processed in the dean's office of the college which grants the degree. The academic areas involved are notified so that advisement records can be transferred.

Advisement

Students are advised in the major area where their advisement records are maintained. Prior to registration, if necessary, a faculty adviser can help arrange a schedule of classes for the upcoming semester. An early advisement and registration period is scheduled near the middle of each semester. Students with a probationary status must see a faculty adviser.

Probation and Suspension

University regulations regarding probation and suspension are listed in this Bulletin under "General Academic Regulations." College of Business Administration students who do not meet University grade point requirements are placed on probation or suspended. Students with a probationary status must see a faculty adviser for academic counseling.

Students who are suspended are not allowed to take classes for at least one semester. Anyone who earns college credit elsewhere while on academic suspension from the College of Business Administration may not apply these credits toward graduation requirements in the CBA. After one semester, suspended students may submit an application for reinstatement to the College of Business Administration. The CBA Reinstatement Committee reviews these applications and academic records to determine whether students are to be readmitted.

Graduation Requirements

To graduate, students must meet all prescribed course requirements shown on their PACE sheets. Information about the procedures for filing an "Application for Degree" are available in the CBA Undergraduate Academic Services Office. Students should be aware of the following degree requirements:

1. A minimum of sixty-four (64) hours of course work must be taken in a senior college and no more than six (6) approved hours from study-abroad programs may be used in meeting degree requirements.
2. Special restrictions apply to correspondence and extension credits, to credit by examination, and to challenge examinations. Students who are interested in these possibilities must obtain prior approval from the CBA Undergraduate Academic Services Office to assure that credits are applicable toward a College of Business Administration degree.
3. To receive a Hattiesburg-campus Bachelor of Science in Business Administration degree from the College of Business Administration, students must complete on the Hattiesburg campus their last thirty-two (32) hours of course work, including MGT 400 and at least twelve hours in the major.
4. Of all required business course work taken, at least 50 percent (30 hours) must be completed on the Hattiesburg campus.
5. Of all required course work, a minimum of 50 percent must be non-business courses.
6. In addition to meeting all course work requirements, students must have a 2.0 grade point average (1) overall, (2) in the College of Business Administration core, and (3) in the major. Transfer students also must meet the foregoing grade point average requirements for all courses taken at USM and must also have a 2.0 average for all attempted college course work.

Double majors within the College of Business Administration must be carefully planned since students must complete a minimum of 21 hours in each emphasis. Therefore, prior to having completed seventy credit hours, a student who wishes to pursue a double major must have such a course of study approved by the Manager of CBA Undergraduate Academic Services Office.

CBA majors may elect to pursue a minor in an area outside the College. Prior to completing seventy credit hours, students who wish to pursue such minors must request the approval of the Manager of CBA Undergraduate Academic Services Office. CBA minors normally are offered only to students pursuing a degree outside the College of Business Administration.

Students who wish to complete a second baccalaureate degree in the CBA must request a "Change of Major" and have a program of study approved by the Manager of CBA Undergraduate Academic Services and the department chair. Students must complete a minimum of 32 hours in order to receive a second baccalaureate degree.

Placement

The University maintains a central Placement Center which assists College of Business Administration students in locating employment following graduation. Students are expected to establish a file with the Placement Center at least two semesters prior to graduation in order to qualify for interviews with prospective employers.

Student Organizations

There are several professional and honorary societies for business students who are interested in sharing common interests or who have achieved high academic standing. These societies include the following organizations: the American Production and Inventory Control Society; Beta Alpha Psi, national scholastic and professional accounting fraternity; Beta Gamma Sigma, national scholastic honorary society for business students; Collegiate Chapter of the American Marketing Association;Data Processing Management Association; Financial Management Association National Honor Society; Institute of Management Accountants, professional accounting fraternity; Collegiate Chapter of National Association of Business Economists, a professional economics organization; Omicron Delta Epsilon, national honorary society in economics; Phi Chi Theta, national professional business fraternities; Sigma Iota Epsilon, both an honorary and a professional fraternity; and the Society for the Advancement of Management (SAM). A representative from each of these organizations and other appointed students constitute the Business Student Advisory Council, which works with and advises the Dean on many student-related matters.

Financial Assistance

There are several scholarships designated for College of Business Administration students as well as other awards for which business students are eligible. Information concerning business scholarships can be obtained from the Assistant Dean. Inquiries regarding other forms of financial aid should be directed to the Director of Financial Aid, Box 5101, Hattiesburg, MS 39406-5101.

Graduate Studies

Undergraduate students who are considering applying for admission to graduate business degree programs should consult with the Manager of Graduate Academic Services. Admission to graduate business programs at USM is based on several factors, including the undergraduate grade point average and the score on the Graduate Management Admission Test (GMAT).

CURRICULUM: FIRST- AND SECOND-YEAR

COURSE REQUIREMENTS FOR ALL COLLEGE OF BUSINESS ADMINISTRATION MAJORS

The business administration curriculum for the first two years consists primarily of non-business courses which provide intellectual breadth and thereby complement the specialized studies that follow in the junior and senior years.

Students should complete the following courses during the first and second years:

FRESHMAN YEAR

ENG 101 and 102	6
Fine Arts elective*	3
NFS 167	1
HIS 101 and 102	6
PSY 110	3
HPR 105	1
MAT 101 and 102	6
Science Laboratory	8

SOPHOMORE YEAR

ACC 200	3
ANT 221 or GHY 341 or a Foreign language	3
BA 200	3
ECO 201 and 202	6
ENG 203	3
MIS 201 and 202	2
SOC 101	3
SCM 111 or 320	3
General Electives	4
TOTAL	64

*See the PACE Degree Plans (pp. 115-125) for available options.

Study Abroad in Business Administration

The College of Business Administration offers its students the opportunity to earn six hours of approved credit toward their degrees while studying abroad in London, Austria, Japan, or Mexico. These study-abroad programs are available during the summer semester at relatively low cost to the student.

SCHOOL OF PROFESSIONAL ACCOUNTANCY

James R. Crockett, Director
Hattiesburg, MS 39406-5178
(601) 266-4641
M.J. Albin, S. Clark, M. DePree, L. Gore, J. Henderson, C. Jordan, H. Keasler, J. King, G. Pate, P. Polk, R. Posey, R. Smith, L. Staniszewski, P. Torres

Mission

The School of Professional Accountancy (SPA) is an academic unit within the College of Business Administration (CBA) at The University of Southern Mississippi and is committed to the mission of the CBA. Within this framework, the SPA has its own unique mission.

The primary objective of the SPA is to be a quality provider of undergraduate- and master's-level accounting education. The SPA strives to produce technically competent and broadly educated accounting graduates who are marketable. Graduates should be able to think critically and to communicate clearly. In addition, graduates should understand the ethical and global dimensions of accounting practice, and the necessity for life-long learning. The SPA is also committed to providing quality accounting education to other students to complement their chosen curricula. Therefore, as its first priority the SPA emphasizes excellent teaching in an environment of continuous curriculum development to ensure currency and relevance.

The SPA also acknowledges its responsibilities to the University, the CBA, the accounting profession, business and government enterprises, and taxpayers. The SPA strives to meet these responsibilities by providing appropriate services and by engaging in the scholarly pursuits of research and writing. These activities complement the primary teaching mission.

The School of Professional Accountancy offers an undergraduate program which is designed to prepare students for a variety of entry-level positions in public accounting, industry, and government. The basic program is intended to prepare students for professional careers in which depth and breadth of business and accounting knowledge are required.

As the knowledge required to practice accounting is expanding rapidly, many students are finding it desirable to pursue a fifth year of study leading to a Master of Professional Accountancy (MPA). The Accounting major is integrated with the MPA program. Students who aspire to obtain professional certification should pursue this program. See the Graduate Bulletin for admission and curriculum requirements.

A grade of C or better in all Accounting courses is required for graduation.

PACE DEGREE PLANS

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Accounting 115

DEPARTMENT OF ECONOMICS AND INTERNATIONAL BUSINESS

George H. Carter, Chair
Hattiesburg, MS 39406-5072
(601) 266-4648
T. Black, M. Dickie, W. Goffe, T. Green, M. Klinedinst, E. Lewis, J. McQuiston, F. Mixon, F. Niroomand, E. Nissan, C. Sawyer, F. Whitesell

The Economics major is designed to prepare students for positions in business, government, or education. For those who are interested in careers in international business, a major in economics with an emphasis in international business is also available. The courses comprising the major equip the student for the analysis of many of the economic problems and issues with which middle- and upper-level managers and administrators must deal. The four-year program provides the requisite skills for entry-level positions and the foundation for graduate study in economics or in areas such as law, public administration, and various business disciplines.

A Bachelor of Arts in Economics is also available through the College of Liberal Arts; see Department Chair for details.

PACE DEGREE PLANS

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Economics 116
International Business 117

Requirements for a Minor in Economics

Non-business students minoring in Economics must complete twenty-one (21) hours as follows: ACC 200; ECO 201, 202; and twelve (12) hours from BA 200 (strongly recommended), BA 301, 303; ECO 305, 330, 336, 340, 345, 436, 440, 450, 470; MGT 304.

DEPARTMENT OF MANAGEMENT AND MIS

Billie M. Allen, Chair
Hattiesburg, MS 39406-5077
(601) 266-4673
R. Boothe, S. Brooking, S. Bushardt, R. Caveny, D. F. Davis, D. L. Davis, J. L. Davis, D. Duhon, C. Hsieh, D. Hunt, S. Lewis, S. Magruder, D. Masters, S. Topping, J. Vest, M. Vest, D. Wolfe

Management

The programs of study in Management have three objectives: (1) to provide students with concepts, knowledge, and skills required in the effective management of profit-making enterprises, government institutions, and non-profit service organizations; (2) to prepare the student for employment which will lead to positions of managerial responsibility; and (3) to make education in general management available to students pursuing technical, educational, and professional careers.

Students interested in majoring in Management may elect to emphasize study in Management or Production/Operations Management. The Management emphasis stresses an overall view of the organization in which the student obtains a thorough knowledge of management concepts and techniques and develops executive skills necessary for effectiveness in the administrative world. The Production/Operations Management emphasis provides instruction in quantitative analysis, material handling, quality standards, and manufacturing resource planning.

Careers in management are available in industry, government, service organizations, and teaching. The students' education and training will, when coupled with additional maturity and experience, serve to further their careers in more responsible management positions such as production or plant manager, labor relations director, or personnel administrator.

Management Information Systems

This department also offers a major in Management Information Systems. The degree program is patterned after the Data Processing Management Association (DPMA) model for information systems education. Excellent career opportunities exist in management information systems for persons who have good academic records, are energetic and ambitious, and seek challenging work. The program is primarily oriented toward applications programming and systems analysis work in the private and public sectors. Career opportunities also exist in computer training, computer sales, and microcomputer systems design and applications.

PACE DEGREE PLANS

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Management 122
Production/Operations Management 123
Management Information Systems 124

Requirements for a Minor in Management

Non-business students minoring in Management must complete eighteen (18) hours as follows: ECO 201; MGT 300; and twelve (12) hours from MGT 364, 454, 455, 465, 468, 472, 475, 480, 495.

Requirements for a Minor in Management Information Systems

For a Non-business student, the Management Information Systems minor consists of the following courses: ACC 200; ECO 201; MIS 201, 202, 300, 309, 310 and either MIS 401 or MIS 406.

For a CBA student, the Management Information Systems minor consists of the following courses: MIS 309, 310, 401, 406, and six hours from the CSS 242 or CSS 333, MIS 315, 320, 408, and 412.

DEPARTMENT OF MARKETING AND FINANCE

Alvin J. Williams, Chair
Hattiesburg, MS 39406-5091
(601) 266-4627
B. Babin, L. Babin, C. Cartee, M. Cockerham, D. Daniel, A. Hamwi,
T. Henthorne, T. Ivy, E. King, R.T. King, J. Lindley, D. Lóyd, M. Madaris,
E. Reidenbach, D. Robin, D. Ruegger, W. Sackley, W. Schoell, W. Smith

Marketing

Marketing is a major concern of all businesses and a growing number of non-profit organizations. The goals of the marketing program are to: (1) prepare students for entry-level positions in marketing; (2) provide the background necessary to advance to higher-level marketing management positions; and (3) develop executive skills that are critical for success in all business occupations. It is necessary, therefore, that the student cultivate the abilities to: (1) think creatively; (2) solve problems; (3) communicate orally and in writing; and (4) understand interpersonal relations.

As quality, total customer satisfaction, and relationship management become the critical success factors in the global economy, marketing majors are positioned to take advantage of these opportunities. Some of the career options presented by these opportunities include advertising, sales, retailing, purchasing, marketing research, public relations, product management, logistics, services marketing and non-profit marketing. Graduates have had particular success in locating jobs in the following industries: pharmaceutical, medical supplies and equipment, consumer products, and professional services. Since more than half of all American workers are employed in marketing-related fields, the marketing major can target numerous career choices in the commercial/industrial, institutional and government sectors. In addition, a marketing degree is excellent preparation for entrepreneurship and small business management.

Finance and Business Administration

Emphasis areas within the Finance major are offered in Banking and Finance,Insurance and Real Estate. Each curriculum stresses education in theory, tools of analysis, and problem-solving techniques that are fundamental to firms operating in the Finance, Insurance and Real Estate industries. Students choosing the Finance emphasis are prepared for careers with banks and other financial institutions, securities firms, large industrial corporations, as well as government agencies that oversee the financial sector. A grade of C or better is required in certain prerequisite courses before the student can progress to higher level Finance courses.

The Business Administration major is a broad, nonspecialized major which prepares students to begin careers in a wide range of businesses. It is designed for those students wishing to pursue business careers but who do not wish to specialize in one particular field of business.

PACE DEGREE PLANS

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Marketing 125
Banking and Finance 118
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Business Administration 121

Requirements for a Minor in Marketing

Non-business students minoring in Marketing must complete eighteen (18) hours as follows: ECO 201; MKT 300; and twelve (12) hours from MKT 330, 355, 365, 370, 380, 430, 444, 458, 495.

Requirements for a Minor in Insurance

Non-business students minoring in Insurance must complete twenty-one (21) hours as follows: ACC 200; ECO 201; REI 325; and twelve (12) hours from BA 200 (strongly recommended); FIN 392; REI 326, 425, 445, or 450.

Requirements for a Minor in Business Administration

Non-business students minoring in Business Administration must complete twenty (20) hours as follows: ACC 200; ECO 201; MIS 201 and 202; and twelve (12) hours from BA 200 (strongly recommended); ACC 300; FIN 300; MGT 300; MIS 300; MKT 300.

ACCOUNTING
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 320
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. ACCOUNTING EMPHASIS (21 HRS)
- 01 ACC 310
- 02 ACC 325
- 03 ACC 330
- 04 ACC 400
- 05 ACC 401
- 06 ACC 407
- 07 ACC 409

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: BA 411

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

ECONOMICS
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. ECONOMICS EMPHASIS (21 HRS)
- 01 ECO 305
- 02 ECO 340
- 03 ECO 345
- 04 ECO 436
- 05 ECO 450
- 06 ECO 493
- 07 SELECT 1 COURSE FROM DEPT OF ECO.

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MAT 312

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

INTERNATIONAL BUSINESS

PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 ANY FOREIGN LANGUAGE OTHER THAN THE STUDENT'S NATIVE LANGUAGE.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. INTERNATIONAL BUSINESS EMPHASIS (21 HRS)
- 01 ECO 340
- 02 ECO 345
- 03 ECO 436
- 04 FIN 472
- 05 IB 472
- 06 ECO 498 OR FIN 498 OR IB 498
- 07 MGT 495 OR MKT 495

08. OTHER BUSINESS REQUIREMENTS (10.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: SIX HOURS OF ANY FOREIGN LANGUAGE OTHER THAN THE STUDENT'S NATIVE LANGUAGE.

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 1 HR)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

BANKING AND FINANCE
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. BANKING AND FINANCE EMPHASIS (21 HRS)
- 01 ECO 330 OR FIN 310
- 02 FIN 350
- 03 FIN 352
- 04 FIN 480
- 05 FIN 472 OR 498
- 06 REI 432
- 07 SELECT 1 COURSE: FIN 320, FIN 462, REI 325, REI 326 OR REI 434.

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MAT 312 OR ACC 330 OR PHI 253 OR MIS 320

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

INSURANCE

PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. INSURANCE EMPHASIS (21 HRS)
- 01 ECO 330 OR FIN 310
- 02 FIN 350
- 03 FIN 480
- 04 REI 325
- 05 REI 326
- 06 REI 425 OR REI 450
- 07 SELECT 1 COURSE: FIN 320, REI 445, REI 450 OR REI 498.

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MAT 312 OR REI 434 OR MIS 320

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

REAL ESTATE
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. REAL ESTATE EMPHASIS (21 HRS)
- 01 ECO 330 OR FIN 310
- 02 FIN 352
- 03 FIN 480 OR FIN 498
- 04 REI 330
- 05 REI 340
- 06 REI 432
- 07 REI 434

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MKT 330 OR MIS 320 OR REI 325

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

BUSINESS ADMINISTRATION
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. BUSINESS ADMIN EMPHASIS (21 HRS)
- 01 ECO 330
- 02 MGT 495 OR MKT 495
- 03 FIN 320
- 04 MGT 364
- 05 SELECT 1 GROUP FROM THOSE LISTED BELOW:

GRP-ECO:	ECO 305, 335, 345.
GRP-FIN:	FIN 350, 352, 480.
GRP-MGT:	MGT 454, 455, 475.
GRP-MIS:	MIS 310, 401, 406.
GRP-MKT:	MKT 330, 424, 444.
GRP-INS:	REI 325, 326, 425.
GRP-RE:	REI 330, 340, 434.

08. OTHER BUSINESS REQUIREMENTS (4.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 7 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

MANAGEMENT
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. MANAGEMENT EMPHASIS (21 HRS)
- 01 MGT 364
- 02 MGT 454
- 03 MGT 465
- 04 MGT 495
- 05 MGT 480
- 06 SELECT 2 COURSES: MGT 455, MGT 468, MGT 472, OR MGT 475.

08. OTHER BUSINESS REQUIREMENTS (4.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 7 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

PRODUCTION/OPERATIONS MANAGEMENT

PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. PROD/OPER MANAGEMENT EMPHASIS (21 HRS)
- 01 MGT 454
- 02 MGT 465
- 03 MGT 472
- 04 MGT 482
- 05 MGT 495
- 06 MIS 310
- 07 MKT 370

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MAT 312

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

MANAGEMENT INFORMATION SYSTEMS

PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. MANAGEMENT INFO SYS EMPHASIS (21 HRS)
- 01 MIS 309
- 02 MIS 310
- 03 MIS 315
- 04 MIS 320 or MIS 408
- 05 MIS 401
- 06 MIS 406
- 07 MIS 412

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: CSS 242

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

MARKETING
PACE Degree Plan

01. REASONING/COMMUNICATIONS SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 MAT 101
- 04 MAT 102
- 05 SCM 111 OR SCM 320
- 06 BTE 480

02. HUMANITIES AND FINE ARTS (18 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 SELECT 1 COURSE: AA 100, ART 130, MUS 365 OR THE 100
- 04 ENG 203
- 05 PHI 300
- 06 FL 401 OR APPROVED STUDY ABROAD COURSE.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SOC 101
- 03 SELECT 1 COURSE: ANT 221 OR GHY 341 OR Any foreign language other than the student's native language.

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. BUSINESS ADMINISTRATION CORE (40.5 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ECO 201
- 04 ECO 202
- 05 ACC 300
- 06 BA 301
- 07 BA 303 AND MGT 304
- 08 ECO 336
- 09 FIN 300
- 10 MGT 300
- 11 MGT 350
- 12 MIS 300
- 13 MKT 300
- 14 MGT 400

07. MARKETING EMPHASIS (21 HRS)
- 01 MKT 322
- 02 MKT 365
- 03 MKT 424
- 04 MKT 428
- 05 MKT 330 OR MKT 355 OR MKT 370
- 06 MKT 380 OR MKT 444 OR MKT 495
- 07 MKT 430 OR MKT 458

08. OTHER BUSINESS REQUIREMENTS (7.5 HRS)
- 01 COMPUTER PROFICIENCY: MIS 201 AND MIS 202
- 02 BUSINESS SEMINARS: BA 300 AND BA 400
- 03 DIRECTED ELECTIVE: MAT 312 OR PSY 450

09. OPTIONAL NON-CBA MINOR (MINIMUM OF 18 HRS)

10. NONBUSINESS ELECTIVES (MINIMUM OF 4 HRS)
- 01 Select any non-business courses.

A Minimum of 128 Hours in Program

COLLEGE OF EDUCATION AND PSYCHOLOGY

ACADEMIC OFFERINGS
1996-1997

Teacher education programs as presented in this Bulletin are subject to change contingent on formal university approval. Please consult your academic adviser for program changes.

Department	Major	Degree**
TECHNOLOGY EDUCATION		
	BUSINESS TECHNOLOGY EDUCATION	BS
	TECHNICAL AND OCCUPATIONAL EDUCATION	BS
	OFFICE ADMINISTRATION	BS
CURRICULUM & INSTRUCTION* **		
	ELEMENTARY EDUCATION	BS
PSYCHOLOGY		
	PSYCHOLOGY*	BA,BS
	SOCIAL AND REHABILITATION SERVICES*	BS
SPECIAL EDUCATION		
	SPECIAL EDUCATION	BS

* Minor Available

** Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

*** Secondary Education is offered through the college and department of the teaching field.

COLLEGE OF EDUCATION AND PSYCHOLOGY

James O. Schnur, Dean
W. Bruce Holliman, Associate Dean
Hattiesburg, MS 39406-5023
(601) 266-4568

The University of Southern Mississippi, through its College of Education and Psychology, holds membership in the American Association of Colleges for Teacher Education, the Teacher Education Council of State Colleges and Universities, and the Southern Regional Consortium of Colleges of Education. All undergraduate programs in teacher education are fully accredited by the National Council for Accreditation of Teacher Education (NCATE). For details of graduate teacher education programs, consult the Graduate Bulletin. For degrees offered by each department, please see the previous page.

MISSION

The College of Education and Psychology is a multi-purpose academic unit which encompasses two major disciplines, Education and Psychology. The mission of the College is to provide both degree and non-degree programs for three major areas: behavior, teaching/learning process, and educational technology. These studies lead to careers in a wide variety of settings including educational institutions, health care organizations, community agencies, business and industry.

Toward this end, we strive to develop graduates who possess theoretical and technical competence, effective communication skills, an appreciation of diversity, a commitment to lifelong learning, and a sensitivity to standards of ethical conduct.

The College fulfills its mission through programs characterized by excellence in instruction and supervised practice, research training and production, scholarly productivity, leadership in the professions, and service to local and global communities.

ADMISSION REQUIREMENTS

Any student who satisfies admission requirements to The University through the Office of Admissions and Records is eligible for admission to the College of Education and Psychology.

Admission to the College of Education and Psychology does not constitute admission to a teacher education program nor to a non- teaching major program. Program planning and proper advisement must be completed to gain admission to both Teacher Education Programs and Non-Teaching Programs. Regular status in the College of Education and Psychology is maintained by meeting the quality point requirements for hours completed as designated by the general University requirement and evaluated by the Office of Admissions and Records.

GENERAL CORE, COLLEGE OF EDUCATION AND PSYCHOLOGY

The core of the College of Education and Psychology builds on the University core. For degree programs leading to teacher certification, the following courses must be completed to meet both the University core and state certification requirements:

Biological Science with laboratory	4 hrs.
ENG 101 and 102	6 hrs.
ENG 203	3 hrs.
**English Elective	3 hrs.
Fine Arts Elective	3 hrs.
*FN 167	1 hr.
HIS 101 and 102	6 hrs.
MAT 101	3 hrs.
Mathematics or Science Elective	3 hrs.
*HPR 105	1 hr.
PSY 110, 110L	3 hrs.
Physical Science with laboratory	4 hrs.
SCM 111, 305, or 330	3 hrs.
*Social Science Electives	6 hrs.
Social Science Elective	3 hrs.

(Social Science requirement must be met with no more than 3 hours from any one area: anthropology, economics, geography, political science, sociology)

* Does not count toward teacher education admissions grade point average.

** May be counted toward Science deficiency attributed to 3 hour science labs for admissions grade computation only.

TEACHER EDUCATION PROGRAMS AND REQUIREMENTS

Students who desire to be admitted to a professional teacher education program (not a college, school, or department of education) first must have passed successfully the Communication Skills and General Knowledge subscales of the National Teacher Examination (NTE). These students would typically be in their sophomore year and would be preparing to begin the normal sequence of professional education courses in their junior year. Of equal importance is the satisfaction of a 2.65* grade point average on a restricted 44-hour general core.

***NOTE:** Special education majors and students who select "special subject certification" (grades K-12) must demonstrate a 2.50 grade point average on the 44-hour core.

All applicants desiring to pursue a Teacher Education program must submit an approved Teacher Education Admissions Statement Form (ED 8b) to the Dean's Office, College of Education and Psychology.

All teacher candidates must complete all graduation requirements set forth in the general University regulations as well as: (1) complete freshman English Comp with an average grade of C; (2) all program requirements outlined in the official Program Plan; (3) earn a grade of C or higher in all professional education courses included in the respective teaching programs; and (4) earn a grade of C or higher in all courses related to the area of certification.

All teacher candidates must complete the professional education curriculum. This professional education curriculum is to be completed in the following sequence:

PROFESSIONAL EDUCATION CURRICULUM

REF 400 ..... 3 hrs.
REF 469 (not required for Elementary Education majors) ..... 3 hrs.
SPE 400 ..... 3 hrs.
Area Methods Course ..... 3 hrs.
A General Methods Course; CIE 343 for elementary, CIS 313 for secondary, or a General Methods Course offered in K-12 programs ..... 3 hrs.

INTERNSHIP

Student Teaching ..... 14 hrs. (two experiences of 7 hours each)

Multiple assessments with the Mississippi Teacher Assessment Instrument (MTAI) will be conducted during the student teaching experience.

Teacher Certification

Students preparing to teach must choose a teaching area from one of the following: Elementary Education (K-8), Secondary Education (7-12), or Special Areas (K-12).

The student should note that state teacher certification requirements supersede the program requirements listed in this Bulletin. Mandated changes in program requirements will be communicated through the student's academic adviser.

To prepare for a career in secondary education (grades 7-12), a student must matriculate in the college and department of the teaching major and also successfully complete the Education Curriculum courses for secondary certification.

Additionally, the National Teacher Examinations must be taken by all who seek a teaching certificate. Results must be forwarded to the Mississippi State Department of Education.

Requirements for Teaching Degrees

It is permissible for a student to graduate from any college or school that offers a teaching major. However, all students who desire to become teachers must apply for admission to the Teacher Education Program in the College of Education and Psychology and be screened according to the preceding admission standards.

SPECIAL SCHOOL SERVICES
OFFICE OF EDUCATIONAL FIELD EXPERIENCES

Gloria A. Slick, Director
Hattiesburg, MS 39406-5028
(601) 266-4571

The basic purpose of the student teaching experience is to provide all students in teacher education with in-school (K-12) opportunities that will assist them in developing the skills and competencies necessary for a beginning teacher. The student teaching experience provides an environment for a realistic evaluation of the strengths and weaknesses of prospective teachers.

All student teaching is done in off-campus cooperating schools designated by the Director of the Office of Educational Field Experiences. Supervision is provided by cooperating school personnel and faculty members of the University.

Students must follow the procedure listed below in submitting their application for student teaching.

Requirements for Student Teaching

Application: Formal application must be submitted to the Office of Educational Field Experiences at the beginning of the semester prior to the student teaching semester. Applications for student teaching must be in the Student Teaching Office no later than September 30, and February 28 for spring and fall semesters respectively.

ALL STUDENTS MUST REGISTER FOR STUDENT TEACHING THROUGH USM.

All student teachers:

1. Must have completed all major requirements, six (6) hours of which must have been taken in residence in this institution. Any exceptions to this policy must be approved by the major department.
2. Must have at least a 2.50 overall average at the time that the student teaching semester begins.
3. Must have been admitted to a teacher education program, and completed the teacher education curriculum.
4. Must expect to spend the required time in off-campus schools designated by the Director of Educational Field Experiences.

STUDENT TEACHING SEMESTER: Registration for the Student Teaching semester is restricted to 14 semester hours of student teaching.

MATHEMATICS EDUCATION SERVICES CENTER

The Director
Hattiesburg, MS 39406
(601) 266-4547

The Mathematics Education Services Center operated by the Department of Curriculum and Instruction offers a program of diagnostic assessment and follow-up prescriptive teaching for elementary-age children throughout the academic year.

The cost of these services per semester are as follows:

1. $45.00 - Diagnostic Assessment
2. $145.00 - Prescriptive Teaching

THE READING ENRICHMENT CENTER

Dana G. Thames, Director
Hattiesburg, MS 39406
(601) 266-5247

The primary responsibility of the Reading Center is the promotion of effective teacher education for elementary and secondary students in methods, techniques, and materials in reading and language arts. Focus of the programs is at the undergraduate, master's and advanced graduate levels emphasizing theory, practice, evaluation, and research. The Reading Center offers limited services in the diagnosis and remediation of reading problems. The cost of the diagnostic evaluation which

includes a suggested program of remedial procedures is $75.00, or a proportional part, based on ability to pay. Limited remedial instruction, provided by graduate or undergraduate students on a limited basis, is $45.00 per semester.

An up-to-date collection of materials used for elementary, secondary, or adult reading instruction and a library of children's books are open for examination.

University students and adults may obtain testing, counseling, and special instruction in the reading areas of comprehension, vocabulary development, and study skills improvement through the Center's "Improvement of Study" course.

An annual reading conference is held in the spring or summer. Nationally known reading authorities are featured on the program.

GUNN EDUCATION MATERIALS CENTER

Stella Wheat, Director

(601) 266-4561

Gunn Materials Center contains the principle collection of books and other printed materials, audiovisuals, and computer software which directly support the teacher education programs. A computer lab is located here with both Macintosh and IBM compatible computers. Textbooks on the state adoption list are available as well as a collection of children's literature trade books. The Center is open to all currently enrolled students as well as to teachers in the surrounding area.

Hours: Monday - Thursday 8:00 a.m. - 5:30 p.m., Friday 8:00 a.m. - 4:00 p.m.

APPLIED GERONTOLOGY EDUCATIONAL SERVICES

W. Lee Pierce, Coordinator

Hattiesburg, MS 39406-5154

(601) 266-4621

The University of Southern Mississippi's Office of Applied Gerontology Education Services exists to coordinate the following University functions in the field of gerontology:

1. Graduate education for professionals.
2. Staff development programs for professionals and paraprofessionals.
3. Consultation and community services.
4. Research.
5. Sensitization of the general public to the status and future of the elderly in the community.

EDUCATION SERVICE CENTER

Johnny R. Purvis, Director

Hattiesburg, MS 39406-5068

(601)266-4559

The Education Services Center (ESC) serves as a cooperative planning and development unit through which the University and the schools can be more effective in serving the educational needs of their constituents. Through the Center's activities, the resources of the University and local school districts' are utilized to identify and coordinate efforts to solve educational problems and to promote general improvement in the quality of education in the state. The Center serves as a field services division for the College of Education and Psychology and strives to promote cooperative interaction between the University and the school districts, stimulate the exchange of ideas and successful educational practices, promote cooperative research, disseminate ideas and information, conduct and sponsor workshops and seminars, and arrange for consultative services to the schools. The Center is the umbrella organization for the Southern Education Consortium (SEC).

CLINICS
PSYCHOLOGY DEPARTMENT

The Department of Psychology operates three training clinics which are associated with APA-accredited doctoral training programs. Each offers treatment, diagnostic, and consulting services to University faculty, staff and students, and to members of the community-at large. Inquiries about specific services and/or fees should be directed to the respective clinic (see below). Clinics operate on the University calendar and normally are open only when classes are in session. Services are provided by graduate students under the direct supervision of program faculty. Fees may vary slightly but are based on a sliding scale determined by income level and family size. Written

inquires for any clinic may be directed to Department of Psychology, Box 5025, Hattiesburg, MS 39406-5025.

Psychology Clinic (Clinical Psychology)

B. Jo Hailey, Ph.D., Director
(601) 266-4588/4604

Services include individual therapy, family and marital therapy, and psychological assessment (e.g., intelligence, general personality, and neuropsychological). Clients include children and families, adolescents, and adults. Clinic hours are 8:00 a.m. until 5:00 p.m.; the facility is also open one evening a week.

Gutsch Clinic (Counseling Psychology)

William J. Lyddon, Ph.D., Director
(601) 266-4601/4602

Services include individual and group counseling therapy, marriage and family therapy, vocational and career counseling, and consultation on a range of concerns that could be described as "problems of living." Clients include children and families, adolescents, and adults. Types of assessment include intelligence, ability, personality, behavioral, and interest or vocational. Clinic hours are 8:00 a.m. until 5:00 p.m. daily.

School Psychology Service Center

D. Joe Olmi, Ph.D., NCSP, Director
(601) 266-5255/4604

Services include family and school behavior assessment and intervention design for children, adolescents, and young adults who are having learning problems or school related behavioral and emotional problems. Specialized assessment and treatment services are available for concerns related to learning, attention deficit disorders, home behavior, and school behavior. Consultation services are also provided to area schools. Center hours are from 2:00 p.m. to 6:00 p.m. Monday through Thursday; and 8:00 a.m. to 11:00 a.m. Friday. Appointments outside these hours may be arranged.

DEPARTMENT OF TECHNOLOGY EDUCATION

William B. Burns, Chair
Hattiesburg, MS 39406-5036
(601) 266-4446
Boyte, Conerly, Hagler, Lanmon, Yuen

The Department of Technology Education offers a curriculum leading to the Bachelor of Science degree with majors available in three areas of study; Business Technology Education, Technical and Occupational Education, and Office Administration (non-teaching). Through these diversified degree programs, the Department serves a dual role: providing salable skills to students who desire a career in business or industry and training teachers of business and industrial subjects.

In addition to the undergraduate programs, the Department offers graduate emphases in both Business Technology Education and Technical and Occupational Education. For a description of these master's level programs, please consult the Graduate Bulletin.

REQUIREMENTS FOR A MAJOR IN BUSINESS TECHNOLOGY EDUCATION

Donna L. Conerly, Adviser
Hattiesburg, MS 39406-5036
(601) 266-4446

A major in Business Technology Education prepares the student to teach in secondary education programs that equip senior high school students with knowledge, skills, attitudes, and work habits essential for initial employment in the technological environment of today's business world and/or success in the college environment. Graduates of this program are certified to teach in such programs as Business Education, Intensive Business, Business and Office Co-op, and DO Co-op programs at the secondary level.

Students desiring entry into secondary teacher education programs must successfully complete the General Knowledge and Communication Skills segments of the National Teacher Examinations (NTE) according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

PACE DEGREE PLAN

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Business Technology Education 137

REQUIREMENTS FOR A MAJOR IN TECHNICAL AND OCCUPATIONAL EDUCATION

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The major in Technical and Occupational Education was designed for students who possess a previously acquired trade or technical specialty and wish to: (1) prepare for a teaching career in vocational-technical education, and/or (2) build an appropriate academic foundation that will increase their opportunities for professional development and advancement within the field of vocational-technical education. A minimum of two years' work experience in a trade or technical area is required for state certification.

Further, this major is an excellent choice for individuals interested in pursuing a career with industry - especially in the area of industrial training and development.

PACE DEGREE PLAN

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Technical and Occupational Education 138

REQUIREMENTS FOR A MAJOR IN OFFICE ADMINISTRATION (non-Teaching Degree)

Carolyn Hagler, Adviser
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A major in Office Administration prepares students for a variety of business positions such as office manager, administrative assistant, administrative support specialist, secretary, and word processing specialist. Office Administration equips students for entry-level employment and advancement by providing opportunities to develop skills, knowledge, attitudes, and understandings needed in the automated office.

PACE DEGREE PLAN

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Office Administration 139

DEPARTMENT OF CURRICULUM AND INSTRUCTION

Mildred E. Kersh, Chair
Hattiesburg, MS 39406-5057
(601) 266-4547

J. Scott, Coordinator, Undergraduate Education
F. Anderson, M. Dana, J.C. Davis, M.B. Evans, E. Luce, Masztal,
B. Moore, Mottley, Palmer, Reeves-Kazelskis,
J. Richards, Richmond, Schnur, Appelt-Slick, D. Thames, J. Woodbury

Serving as the coordinating agency within the University for the training and preparation of elementary and secondary teachers, the Department of Curriculum and Instruction provides undergraduate work for both preservice and inservice teachers. A description of the undergraduate programs in elementary education follows. For secondary education, consult the college and department of the teaching major. Please consult the Graduate Bulletin for description of programs leading to master's, specialist's, and doctoral degrees.

ELEMENTARY EDUCATION
(K-8)

Students pursuing an undergraduate degree with a major in Elementary Education will attain a provisional elementary teacher's certificate (kindergarten through grade eight). Areas of concentration (minor) for the Elementary Major are:

English Language
Foreign Language
Mathematics
Reading
Science
Social Studies

For specifics concerning these concentrations, the student should consult an elementary education adviser.

Admission to Elementary Teacher Education Program

Students desiring to major in Elementary Education must meet the following requirements before being admitted to the program.

1. Attain at least a C average for the 6 hours of English composition required.
2. Complete the College of Education and Psychology's General Education Requirements (44 hours of specified courses).
3. Attain a minimum grade point average of 2.65 (on a 4.0 scale) based on the 44 hours of general education identified on page 125. File teacher education admissions form (Ed 8 b).
4. Attain the minimum scores set by the Mississippi State Department of Education on the Communication Skills and General Knowledge sub-tests of the National Teacher Examination. This test should be taken during the last term before completing the 44 hours of general education identified on page 124.
5. Meet with the assigned adviser and complete a program plan.

For a more detailed explanation of the above requirements, the students should see their assigned adviser or the Coordinator of Undergraduate Elementary Education.

PACE DEGREE PLAN

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Elementary Education 140

PACE DEGREE PLAN
Elementary Education Concentrations

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English Language 141
Social Studies 141
Foreign Language 141
Mathematics 141
Reading 141
Science 141

SECONDARY TEACHER EDUCATION PROGRAMS
(Grades 7-12)

Students seeking an undergraduate degree with certification to teach at the secondary school level (Grades 7-12) must consult advisers in the college and department of the selected teaching field. Academic majors which provide for certification in the various teaching fields grades 7-12 are:

Biology
Business Technology Education
Chemistry
English
Foreign Language
General Science
History
Home Economics
Mathematics
Physics
Speech Communications

Requirements for Additional Endorsements

Mississippi's standards for teacher and administrator certification provide for add-on endorsements to standard teaching certificates. These endorsement areas require less extensive training than that required for standard teaching certificates. Add-on endorsement areas include computer applications, English as a second language, driver education, health education, gifted education, occupational home economics, remedial reading, and mild/moderate handicapped K-8 and mild/moderate handicapped 7-12.

Students pursuing undergraduate degrees with secondary teacher certification are encouraged to take the additional courses necessary to qualify for endorsement in one or more of these areas. For specific course requirements, the student should contact the education adviser in the department related to the endorsement area.

SPECIAL AREA TEACHER EDUCATION PROGRAMS (K-12)

Students pursuing undergraduate degrees with special area teacher certification (Grades K-12) must complete the prescribed general education requirements of the appropriate school and/or college, and the Education Curriculum.

General Education Requirements

All students seeking undergraduate special area teacher certification must complete the general education requirements of the College of Education and Psychology. A student receiving an undergraduate degree from a school or college other than the College of Education and Psychology must also satisfy the general education requirements of that school or college and the teacher education curriculum.

Students may not enroll for any of the Professional Teacher Education Curriculum courses until they have met all requirements for and have been admitted to a program in special area teacher education.

REQUIREMENTS FOR A MAJOR IN A SPECIAL AREA

Majors (to include associated emphasis area) offered by the various colleges and schools of the University which provide for certification in the various special area teaching fields are:

Art Education
Computer Education
Education of the Deaf
Health Education
Library Science
Physical Education
Music Education
Special Education

For specific course and related requirements for a major associated with a special area of teacher certification, the student should refer to the appropriate section of this Bulletin under the department offering the major.

Requirements for Non-Teaching Degrees

The College of Education and Psychology offers non-teaching major programs in the departments of Psychology and Technology Education. Both the majors in the Department of Psychology (psychology and social rehabilitation services) are non-teaching. In the Department of Technology Education, office administration is also a non-teaching major, leading to the Bachelor of Science degree. Students in psychology may take programs leading to the Bachelor of Arts degree.

Bachelor of Arts (Non-Teaching)

The requirements for the Bachelor of Arts non-teaching degree are the same as those for the Bachelor of Science non-teaching degree with one exception. Students in the Bachelor of Arts program must complete six (6) to nine (9) hours in a foreign language. Those students who have

completed two years of the same language in high school and make satisfactory placement test scores may meet the language requirement by completing six (6) semester hours in the same language at the 200 level or above.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND RESEARCH

Arthur R. Southerland, Chair
Hattiesburg, MS 39406-5027
(601) 266-4579

E. Bedenbaugh, L. Daniel, C. Davidson, Elias, W. Ferguson, Ginn, Gupton, Kazelskis, Knight, A. Lucas, Manly, Pierce, J. Purvis, Rachal, M. Smith, Southerland, Tomlinson, Witta

The Educational Administration and Supervision component of the Department of Educational Leadership and Research offers programs for the preparation of administrators for the public schools and colleges and for teachers of educational administration. These preparation programs are offered only at the graduate level and lead to the master's degree, the sixth year specialist's degree, and the doctoral degree. For a description of these programs, consult the Graduate Bulletin.

The Research and Foundations components of the Department of Educational Leadership and Research provide supportive services in teacher education. At the undergraduate level, these services include Educational Foundations and at the graduate level, Educational Foundations, and Research Training.

The Adult Education component of the Department of Educational Leadership and Research offers graduate programs for persons who work with adult learners in a wide variety of settings. Programs are provided which lead to the master's, specialist's, and doctoral degrees. For descriptions of these programs, please consult the Graduate Bulletin.

Some courses are offered at the undergraduate level to support degree programs in other departments and as staff training for agencies that employ persons at the baccalaureate level or below to work with adult learners.

DEPARTMENT OF PSYCHOLOGY

John D. Alcorn, Chair
Hattiesburg, MS 39406-5025
(601) 266-4177

Alford, Anderson, Buelow, Carlyon, Dickson, Edwards, Faulkender, Gates, Glosoff, Goggin, Gurman, Hailey, Harsh, Hildman, Holaday, Hollandsworth, Holliman, Holloway, Jones, Koeppel, Leach, Lyddon, McCoy, Noblin, Olmi, Ozerden, Paul, Rabian, Randolph, Range, Shafer, Sisemore, Tingstrom, Wagner, Wesley

The Department of Psychology offers both graduate (MA, MS, PhD) and undergraduate programs (BA or BS). At the master's level, the department offers work leading to the Master of Education degree in Counseling and Personnel Service; the Master of Science degree in Counseling Psychology; and a Specialist program in Counseling and Guidance. The course pattern included in the Master of Education program in Counseling and Personnel Services will meet Mississippi State Department of Education requirements for AA certification as a school counselor.

At the doctoral level, there are five emphasis areas: clinical, counseling, general-experimental, industrial/organizational, and school psychology. The doctoral programs in clinical, counseling, and school psychology are fully accredited by the American Psychological Association. The program in school psychology is also accredited by the National Association of School Psychologists. (For descriptions of graduate programs, see the Graduate Bulletin).

At the undergraduate level, the Department of Psychology offers degrees in Psychology (BS or BA) and in Social and Rehabilitation Services (BS).

The undergraduate degree in Psychology is designed for the student who plans to attend graduate school in any of the major areas of the discipline, and contains the flexibility of sufficient electives to enable the student to construct a more individualized program of study to meet other specific career goals. Both the BA and BS undergraduate tracks may be used in preparation for advanced degrees in other professions. Students using this degree for the above purposes should consult the appropriate advisor to ensure that this program of study is congruent with graduate or professional school to which they plan to make application. The student majoring in Psychology must complete a minimum of thirty-four (34) semester hours of course- work in the Department of Psychology. To receive the Bachelor of Arts degree, a student must also complete nine (9) hours of a foreign language.

PACE DEGREE PLAN

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Psychology 142

The undergraduate degree in Social and Rehabilitation Services is designed for the student who anticipates entry-level employment within a range of agency and institutional settings including mental health, rehabilitation, youth services, vocational services, and drug/alcohol prevention programs. This major is also appropriate for the student preparing for graduate study in rehabilitation, counseling, and related fields. The student majoring in Social and Rehabilitation Services must complete thirty-one (31) specified semester hours in psychology and fifteen (15) hours in other psychology elective courses.

PACE DEGREE PLAN

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Social and Rehabilitation Services 143

Psychology Minor

Students pursuing a minor in psychology must complete PSY 110 and 15 hours of additional courses (300 level and above), with the exception of PSY 301, 462, 463, 492, 493, and 498.

Social and Rehabilitation Services Minor

Students pursuing a minor in social and rehabilitation services must complete PSY 210, 312 and 423. In addition, it is recommended that the nine remaining course hours be selected from the following courses: PSY 313, 330, 331, 432, or 435.

DEPARTMENT OF SPECIAL EDUCATION

James A. Siders, Chair
Hattiesburg, MS 39406-5115
(601) 266-5237

Callahan, Dennis, Jackson, Karnes, Miller, Nelson, Stremel, Walker, Whorton

The University of Southern Mississippi prepares individuals to teach in several areas of exceptionality. The degree will lead toward Mild-Moderate certification in the State of Mississippi. All majors are encouraged to seek advice about their program from faculty advisers.

Students desiring entry into teacher education programs must successfully complete an admissions examination according to guidelines established by the Board of Trustees of State Institutions of Higher Learning.

Students wishing to major in Special Education should follow the program referenced below.

PACE DEGREE PLAN

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Special Education 144

BUSINESS TECHNOLOGY EDUCATION

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111 OR SCM 305 OR SCM 330.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.
- 05 ENG 301 OR ENG 332.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110., PSY 110L.
- 02 ECO 201.
- 03 PS 101.
- 04 SOC 101 OR GHY 102 OR ANT 101.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM CATEGORY IV. (SEE YOUR UNIV. CATALOG). (SUGGESTED COURSES ARE BSC 103, BSC 103L AND CHE 104, CHE 104L)
- 02 SELECT 3 HOURS FROM DEPT AST, BSC, CHE, FS, GLY, PHY, MAT, OR ESC. (COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG).

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. BUSINESS ADMINISTRATION MINIMUM USM GPA IS 2.0. (15 HRS)
- 01 CSC 400.
- 02 ACC 200.
- 03 BA 200.
- 04 MGT 300.
- 05 MKT 300.

07. BUSINESS EDUCATION MINIMUM USM GPA IS 2.0. (36 HRS)
- 01 BTE 102.
- 02 BTE 200.
- 03 BTE 310.
- 04 BTE 452 OR TOE 452.
- 05 BTE 453.
- 06 BTE 461 OR BTE 467.
- 07 BTE 463.
- 08 BTE 465.
- 09 BTE 469 OR TOE 469.
- 10 BTE 480.
- 11 BTE 485.
- 12 PSY 374, L.

10. EDUCATION REQUIREMENTS FOR EDUC & PSY. MINIMUM GRADE IS C. (29 HRS)
- 01 PREREQUISITE: ADMISSION TO TEACHER EDUC., REF 469, REF 400, SPE 400, CIS 313 AND BTE 456.
- 02 CIS 481 (14 HRS).

Minimum of 132 Hours in Program

TECHNICAL AND OCCUPATIONAL EDUCATION

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 AA 100 OR ART 130 OR MUS 365.
- 02 HIS 101.
- 03 HIS 102.
- 04 ENG 203.
- 05 ENG 333.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110., PSY110L
- 02 ECO 201.
- 03 PS 101.
- 04 SOC 101 OR GHY 102 OR ANT 101.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM CATEGORY IV. (SEE YOUR UNIV. CATALOG). (SUGGESTED COURSES ARE BSC 103, BSC 103L AND CHE 104, CHE 104L)
- 02 SELECT AT LEAST 3 HOURS FROM COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG.

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. MAJOR AREA OF STUDY MINIMUM USM GPA IS 2.0. (39 HRS)
- 01 TOE 441.
- 02 TOE 442.
- 03 TOE 443.
- 04 TOE 444.
- 05 TOE 445.
- 06 TOE 446.
- 07 TOE 447.
- 08 TOE 448.
- 09 TOE 452.
- 10 PSY 374.
- 11 SELECT 9 HRS FROM COURSE TOE 495.SUBSTITUTION OF THREE APPROVED COURSES WITH ADVISER'S APPROVAL.

07. TECHNICAL OR TRADE SKILL CREDIT (24 HRS)
- 01 SELECT 24 HOURS FROM ANY DEPT. 24 HOURS OF APPROPRIATE SKILL/TECHNICAL TRANSFER CREDIT TOWARDS THE BS DEGREE. TRANSFER CREDIT MUST BE DOCUMENTED BY AN OFFICIAL TRANSCRIPT FROM AN ACCREDITED POST-SECONDARY INS. EX. CC OF THE AIR FORCE, CC VOCATIONAL- TECHNICAL PROGRAMS, AND/OR SENIOR COLLEGE PROGRAMS.

08. ELECTIVES (13 HRS)
- 01 SELECT 13 HOURS FROM ANY DEPT. ELECTIVES SHOULD BE TAKEN AT THE SENIOR COLLEGE LEVEL (300 OR ABOVE).

Minimum of 128 Hours in Program

OFFICE ADMINISTRATION

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111 OR SCM 305 OR SCM 330.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.
- 05 ENG 300 OR ENG 301 OR ENG 332.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110., PSY 110L
- 02 ECO 201.
- 03 PS 101.
- 04 SOC 101 OR GHY 102 OR ANT 101.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM CATEGORY IV. (SEE YOUR UNIV. CATALOG). (SUGGESTED COURSES ARE BSC 103, BSC 103L AND CHE 104, CHE 104L)
- 02 SELECT 3 HOURS FROM DEPT AST, BSC, CHE, FS, GLY, PHY, MAT, OR ESC. (COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG).

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. MAJOR AREA OF STUDY MINIMUM USM GPA IS 2.0. (57 HRS)
- 01 ACC 200.
- 02 BA 200.
- 03 BTE 102.
- 04 BTE 200.
- 05 BTE 201.
- 06 BTE 202.
- 07 BTE 310.
- 08 BTE 461.
- 09 BTE 463.
- 10 BTE 465.
- 11 BTE 467.
- 12 BTE 480.
- 13 BTE 485.
- 14 MGT 300.
- 15 MGT 364.
- 16 MGT 454.
- 17 MIS 201.
- 18 MIS 202.
- 19 MIS 203.
- 20 MIS 300.
- 21 MKT 300.

07. ELECTIVES (19 HRS)
- 01 SELECT 19 HRS. OF ELECTIVES WITH ADVISER'S APPROVAL.

Minimum of 128 Hours in Program

ELEMENTARY EDUCATION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101. MINIMUM GRADE IS C.
- 04 SCM 111 OR SCM 305 OR SCM 330. A (C) AVERAGE IN FRESHMAN ENG AND A (C) AVERAGE IN COLLEGE ALGEBRA IS REQUIRED.

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110., PSY 110L .
- 02 SELECT 1 COURSE FROM 2 GROUPS BELOW FOR A TOTAL OF 6 HRS.
  Group 1: ANT 101, ANT 221.
  Group 2: ECO 201, ECO 202.
  Group 3: PS 101, PS 220, PS 331, PS 425.
  Group 4: SOC 101, SOC 240, SOC 314.
- 03 GHY 101

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE EDUC. CURR. (SEE YOUR UNIV. CATALOG). REQUIRED COURSES ARE - FS 131, FS 131L AND FS 133, FS 133L.
- 02 SELECT 3 HOURS FROM DEPT AST, BSC, CHE, FS, GLY, PHY, MAT, OR ESC. (COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG).

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. GENERAL REQUIREMENTS FOR EDUC & PSY. MINIMUM GRADE IS C. (15 HRS)
- 01 ENG 301.
- 02 MAT 210.
- 03 PSY 370.
- 04 PSY 374.
- 05 TOE 465.

07. MAJOR AREA OF STUDY MINIMUM GRADE IS C. (41 HRS)
- 01 ART 309 OR MUS 361.
- 02 MAT 309.
- 03 MAT 310.
- 04 SCE 432.
- 05 CD 350.
- 06 CIE 301.
- 07 CIE 306.
- 08 LIS 417.
- 09 CIE 305.
- 10 CIR 309.
- 11 CIR 407.
- 12 CIR 412.
- 13 CIE 450.
- 14 CIE 451.

08. CONCENTRATION MINIMUM GRADE IS C. (18 - 21 HRS)
REFER TO NEXT PAGE FOR CONCENTRATIONS.

10. EDUCATION REQUIREMENTS FOR EDUC & PSY. MINIMUM GRADE IS C. (23 HRS)
- 01 PREREQUISITE:ADMISSION TO TEACHER EDUCATION REF 400, SPE 400 AND CIE 343.
- 02 CIE 480 AND 482.

Minimum of 128 Hours in Program

ELEMENTARY EDUCATION CONCENTRATIONS

PACE Degree Plan

01. ENGLISH LANGUAGE (18 HRS)
- 01 ENG 101 AND 102.
- 02 ENG 203.
- 03 ENG 301.
- 04 LIS 417.
- 05 SCM 111, 305, OR 330.

02. SOCIAL STUDIES (21 HRS)
- 01 HIS 101 AND 102 AND 140 AND 341.
- 02 ECO 201.
- 03 GHY 101.
- 04 PS 101.

03. FOREIGN LANGUAGE (18 HRS)
- 01 SELECT 18 HOURS FROM COURSES IN ANY ONE FOREIGN LANGUAGE.

04. MATHEMATICS (18 HRS)
- 01 MAT 101.
- 02 MAT 210.
- 03 MAT 309.
- 04 MAT 310 OR MAT 311.
- 05 SELECT 6 HOURS FROM MAT.

05. READING (19 HRS)
- 01 CIE 306.
- 02 CIR 309.
- 03 CIR 407.
- 04 CIR 412.
- 05 CIE 317.
- 06 CIR 310.

06. SCIENCE (18 HRS)
- 01 FS 131/L.
- 02 FS 133/L.
- 03 FS 135/L.
- 04 SCE 432.
- 05 SELECT 3 HOURS FROM GLY, AST, BSC, CSC 100, ESC 301, GHY 323 OR GHY 325.

Minimum of 128 Hours in Program

PSYCHOLOGY (*BA, BS)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111 OR SCM 305 OR SCM 330.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.
- 05 SELECT 1 COURSE COURSE LEVEL 200 OR 300 OR 400 FROM DEPT OF ENG.
- * (06 CANDIDATES FOR THE BA MUST SELECT AT LEAST 9 HOURS OF ANY ONE FOREIGN LANGUAGE. FOREIGN LANGUAGE IS NOT REQUIRED OF STUDENTS PURSUING THE BS).

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110, PSY 110L.
- 02 SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW FOR A TOTAL OF 9 HRS.
  - Group 1: ANT 101, ANT 212.
  - Group 2: ECO 201, ECO 202.
  - Group 3: GHY 101, GHY 102, GHY 331, GHY 341.
  - Group 4: PS 101, PS 220, PS 331, PS 425.
  - Group 5: SOC 101, SOC 240, SOC 314.
  - Group 6: CHS 101.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM CATEGORY IV. (SEE YOUR UNIV. CATALOG).
- 02 SELECT AT LEAST 3 HOURS FROM COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG.

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. PSYCHOLOGY REQUIREMENTS MINIMUM USM GPA IS 2.0. (34 HRS)
- 01 PSY 360.
- 02 PSY 320, PSY 320L.
- 03 PSY 375.
- 04 PSY 418.
- 05 PSY 422.
- 06 PSY 426.
- 07 PSY 436.
- 08 PSY 450.
- 09 PSY 455.
- 10 SELECT 6 ELECTIVE HRS FROM DEPT. OF PSY EXCEPT PSY 492.

07. ELECTIVES (24 - 42 HRS)
- 01 SELECT 24 - 42 HOURS FROM ANY DEPT. REMINDER: YOU MUST HAVE 45 HRS. OF LEVEL 300 OR ABOVE COURSES. THESE HOURS MUST COMPLETE THE 128 HOURS REQUIRED FOR THIS DEGREE.

Minimum of 128 Hours in Program

SOCIAL AND REHABILITATION SERVICES

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111 OR SCM 305 OR SCM 330.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.
- 05 SELECT 1 COURSE COURSE LEVEL 200 OR 300 OR 400 FROM DEPT OF ENG.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110. PSY 110L.
- 02 SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW FOR A TOTAL OF 9 HRS.
  - Group 1: ANT 101, ANT 212.
  - Group 2: ECO 201, ECO 202.
  - Group 3: GHY 101, GHY 102, GHY 331, GHY 341.
  - Group 4: PS 101, PS 220, PS 331, PS 425.
  - Group 5: SOC 101, SOC 240, SOC 314.
  - Group 6: CHS 101.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM CATEGORY IV. (SEE YOUR UNIV. CATALOG).
- 02 SELECT 3 HOURS FROM DEPT AST, BSC, CHE, FS, GLY, PHY, MAT, OR ESC. (COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG).

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. MAJOR AREA OF STUDY MINIMUM USM GPA IS 2.0 (52 HRS)
- 01 PSY 210.
- 02 PSY 301.
- 03 PSY 312.
- 04 PSY 313.
- 05 PSY 411.
- 06 PSY 413.
- 07 PSY 423.
- 08 PSY 462.
- 09 PSY 463.
- 10 SELECT 9 HOURS FROM COURSES PSY 331, PSY 330, PSY 435, PSY 432, PSY 492, PSY 497.
- 11 PSY 251 OR PSY 310.
- 12 PSY 370 OR PSY 372.
- 13 PSY 360.
- 14 PSY 436.
- 15 CSC 100.
- 16 ENG 301, 332, or 333.

08. ELECTIVES (24-46 HRS)
- 01 SELECT 24-46 HOURS FROM ANY DEPT. REMINDER: YOU MUST HAVE 45 HRS. OF LEVEL 300 OR ABOVE COURSES. (ADVISER'S APPROVAL REQUIRED.) THESE HOURS MUST COMPLETE THE 128 HOURS REQUIRED FOR THIS DEGREE.

Minimum of 128 Hours in Program

SPECIAL EDUCATION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101.
- 02 ENG 102.
- 03 MAT 101.
- 04 SCM 111 OR SCM 305 OR SCM 330.

02. HUMANITIES AND FINE ARTS (15 HRS)
- 01 HIS 101.
- 02 HIS 102.
- 03 ENG 203.
- 04 SELECT 3 HOURS FROM COURSES AA 100, ART 130, DAN 107, MUS 365, THE 100.
- 05 SELECT 3 HOURS COURSE LEVEL 200, 300 OR 400 FROM DEPT OF ENG EXCEPT ENG 300.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 PSY 110. PSY 110L.
- 02 SELECT 1 COURSE FROM EACH OF 3 GROUPS BELOW FOR A TOTAL OF 9 HRS.
  - Group 1: ANT 101, ANT 221.
  - Group 2: ECO 201, ECO 202.
  - Group 3: GHY 101, GHY 102, GHY 331, GHY 341.
  - Group 4: PS 101, PS 220, PS 331, PS 425.
  - Group 5: SOC 101, SOC 240, SOC 314.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE EDUC. CURR. (SEE YOUR UNIV. CATALOG).
- 02 SELECT 3 HOURS FROM DEPT AST, BSC, CHE, FS, GLY, PHY, MAT, OR ESC. (COURSES DESCRIBED IN CATEGORY IV ELECTIVES IN YOUR UNIV. CATALOG).

05. HUMAN WELLNESS (2 HRS)
- 01 FN 167.
- 02 HPR 105.

06. MILD/MODERATE CERTIFICATION MINIMUM GRADE REQUIREMENT IS C. (24 HRS)
- 01 PSY 374, PSY 374L.
- 02 SPE 430.
- 03 SPE 440.
- 04 REF 400.
- 05 REF 469.
- 06 SPE 400.
- 07 SPE 402.
- 08 PREREQUISITE: ADMISSION TO TEACH EDUC. SPE 331, SPE 431, SPE 342, SPE 442. SPE 351. SPE 451
- 09 REGISTER FOR 2 SECTIONS OF SPE 481.

07. ADVISER APPROVED COURSES
- 01 SELECT SUFFICIENT ELECTIVE HRS FROM ANY DEPT SO THAT YOUR MINIMUM PROGRAM HRS WILL TOTAL 128.

09. MINOR AREA OF STUDY

Minimum of 128 Hours in Program

COLLEGE OF HEALTH AND HUMAN SCIENCES

ACADEMIC OFFERINGS
1996-1997

School/Department	Major/Emphasis	Degree**
SCHOOL OF FAMILY AND CONSUMER SCIENCES		
	CHILD AND FAMILY STUDIES*	BS
	FASHION MERCHANDISING AND APPAREL STUDIES*	BS
	HOME ECONOMICS	BS
	HOTEL, RESTAURANT AND TOURISM MANAGEMENT*	BS
	INTERIOR DESIGN	BS
	NUTRITION AND DIETETICS*	BS
SCHOOL OF HUMAN PERFORMANCE AND RECREATION		
	COACHING AND SPORTS ADMINISTRATION*	BS
	HUMAN PERFORMANCE	BS
	Physical Education Emphasis*	
	Sports Medicine Emphasis	
	RECREATION*	BS
	Recreation Administration Emphasis	
	Therapeutic Recreation Emphasis	
SCHOOL OF NURSING		
	NURSING	BSN
SCHOOL OF SOCIAL WORK		
	SOCIAL WORK	BSW
CENTER FOR COMMUNITY HEALTH		
	HEALTH EDUCATION AND ADMINISTRATION	*BS

* Minor Available

** Degree Abbreviations: (BS) Bachelor of Science, (BSW) Bachelor of Social Work, (BSN) Bachelor of Science in Nursing

COLLEGE OF HEALTH AND HUMAN SCIENCES

Allison A. Yates, Dean (on leave)
J. Allen Ellard, Acting Dean
L. Jane Boudreaux, Assistant Dean
Hattiesburg, MS 39406-0075
(601) 266-5253

The mission of the College of Health and Human Sciences is to prepare individuals to engage in applied arts and human sciences that enhance the quality of life for individuals, groups, families, organizations and communities. The College focuses on seeking solutions to societal problems. This mission is accomplished through teaching, service and research.

Through classroom teaching, the academic foundations presented in the professional and applied programs of the College are enhanced in order that students, upon graduation, may improve upon the complex and dynamic human needs within the state, region and nation.

A strong service function is imperative to the professional dimension of the College. To this end, faculty, staff and students are committed to meeting the service requisites mandated by the university, community, state, region and nation.

The College faculty are committed to research endeavors designed to discover, extend and promulgate knowledge of human needs, development and performance across the life span. This commitment advances inquiry into the nature of the human experience which in turn strengthens the teaching and service components of the entire College.

ORGANIZATION AND ADMINISTRATION

Dean's Office

The Dean is the chief administrative officer of the College of Health and Human Sciences and is responsible for its operation. In the Dean's Office, the Assistant Dean coordinates scheduling, the college catalog, adjunct faculty coordination and undergraduate and graduate academic concerns.

Administrative Units

The administrative offices that report to the Dean's Office include the Mississippi Tourism Resources Center, the Applied Research Division of the National Food Service Management Institute, Fiscal and Physical Facilities, four academic schools and one academic center.

The academic programs of the College of Health and Human Sciences are housed in the School of Family and Consumer Sciences, the School of Human Performance and Recreation, the School of Nursing, the School of Social Work, and the Center for Community Health.

Each School as well as the Center offers undergraduate and graduate academic programs designed to meet the challenges of the College's mission statement. Each academic unit is responsible for maintaining its associated student files for academic advisement of its majors. Since curricular requirements vary for each major, students desiring degrees from the College of Health and Human Sciences should follow the courses outlined under each unit. Detailed information on individual curricula of the five units follows. Please note that a number of programs within the College must meet criteria of accrediting agencies, and thus may have additional application procedures and/or admission requirements above those of the University. Most programs within the College require students to have valid professional liability insurance purchased through fees assessed each semester by the University. Please consult the directors of the individual units to obtain specific information.

The Mississippi Tourism Resources Center was created to enhance the University's efforts to assist the region in development of tourism and to identify and create interdisciplinary projects across this area. The Division of Applied Research of The National Food Service Management Institute, which operates under contract with the University of Mississippi and U.S.D.A., seeks to solve management and quality control concerns in child nutrition and related feeding programs.

TEACHER CERTIFICATION

A student in the College of Health and Human Sciences seeking standard teacher certification in Mississippi must satisfy the core requirements of not only the College of Health and Human Sciences but also the College of Education and Psychology. Students should refer to degree programs within the College of Health and Human Sciences which are approved by the State

Department of Education for teacher certification in a specific teaching field. Specialized courses within each program are included in the degree plans, with additional course requirements in the Professional Teacher Education Core. Please see admission requirements for Teacher Education.

SCHOOL OF FAMILY AND CONSUMER SCIENCES

Anita M. Stamper, Director
Ann P. Blackwell, Assistant Director
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Adams, Agrusa, Billon, Blackwell, Boudreaux, Broome, Combs, Conklin, Easterling, Fulgham, Forsythe, Maize, Mueller, Nettles, Price, Rogers, Rowland, Saul, Sharp, Stanberry, Traylor, Yadrick, Yates

The School of Family and Consumer Sciences offers six undergraduate majors which prepare students to assume professional responsibilities in a variety of career fields. Programs in the School offer excellent opportunities for obtaining a broad general education while developing the skills and abilities necessary for functioning competently in a selected professional area. The undergraduate programs and professional fields they serve share a common focus on improving the quality of life for individuals and families whether through intermediary roles or through direct service in one of the helping professions.

All programs include an internship or field experience component to provide students with opportunities to apply knowledge through direct interaction with consumers and clients. Numerous businesses and professional facilities in Hattiesburg and surrounding regions cooperate with the School in providing pre-professional experiences.

Supervised field experiences are also provided by a number of facilities maintained by the School. One of these is the Fern Hesson Charcoal Room, an academic food service laboratory in Vann Hall that provides Nutrition and Dietetics and Hotel, Restaurant, and Tourism Management students with direct experiences in all phases of operating a quantity food service facility. The Charcoal Room serves the noon meal to faculty, staff, and graduate students while classes are in session.

The School also operates the Center for Child Development, which provides interactive experiences for students majoring in Child and Family Studies through access to three programs: a half-day program, a full-day program, and an after-school program. The programs provide developmentally appropriate learning activities for children ages infant through five years or kindergarten through fourth grade with a hands-on curriculum of learning through play. All three programs have an open admissions policy, but predominately serve children of USM students, staff, and faculty. For parents who qualify, some federal and state funds are available to help offset tuition costs.

The Sarah W. Gibbs Costume Collection is maintained by the School, with space in the McCain Library Archives. Research and exhibitions based in part on items in the Gibbs Collection have twice won national awards from the American Association of State and Local History.

The undergraduate programs in the School are accredited by the Council for Accreditation of the American Association of Family and Consumer Sciences. The Coordinated Program in Dietetics is accredited by the American Dietetic Association Council on Education, Division of Education Accreditation/Approval, which also currently approves the Didactic Program in Dietetics. The Interior Design program is fully accredited by the Foundation for Interior Design Education Research (FIDER).

Offerings for Non-Majors

A number of courses offered within the School do not have prerequisites and are excellent choices for electives. CD 150 (Child and Family in the Community); FMA 121 (Fashion Fundamentals), 131 (Basic Apparel Construction), and 330 (Textiles I); FAM 101 (Introduction to Professional Studies), 150 (Social and Professional Development), 151 (Personal Development and Interpersonal Relationships), 351 (Marital and Family Relationships), 442 (Personal and Family Financial Management), 443 (Family Resource Management); NFS 362 (Nutrition), HRT 272 (Principles of Food Preparation), ID 140 (Interior Design I) and 335 (Historic Interiors and Furnishing I) are excellent elective courses for students having an interest in the academic areas represented. Minors are also available in a number of areas within the School.

CHILD AND FAMILY STUDIES

Undergraduate students with a major in Child and Family Studies select major courses and electives to prepare to work with children and their families in the following areas: teaching and administration of child-care programs, working in agencies which serve children and their families, and working as a child life specialist in hospitals and clinics. Students work closely with an academic adviser in selecting the courses best suited to their interests and career goals.

In addition to the general education core, students take coursework in infant and child development, developmental observation, creative activities, behavior and guidance of children, parenthood, methods and materials appropriate to working with young children, and supervised work through student teaching or internship experiences. A broad knowledge of the child and family is acquired through courses in nutrition, family dynamics, communications, psychology, developmental disabilities, computer science, and contemporary issues affecting the quality of life.

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Child and Family Studies 165

Requirements for a Minor in Child Development

All students pursuing a minor in Child and Family Studies must complete nine (9) semester hours in the following courses: CD 350; FAM 351 and 452. An additional nine semester hours may be selected from the following electives: CD 352; CD 451; CD 452, FAM 450; FAM 452.

FASHION MERCHANDISING AND APPAREL STUDIES

The curriculum in Fashion Merchandising and Apparel Studies provides students who have a strong interest in apparel, fashion, and textiles the opportunity to prepare for diverse careers in the fashion industry. Course requirements in the major field cover product information and characteristics, organization and operation of the fashion and textile industries, and the social, psychological and aesthetic components of dress. Required courses in business add depth to the student's academic background and variety to graduates' career options. A marketing minor is required for fashion merchandising students. The apparel studies student may opt for a business, art, or theater minor depending on career direction. Students work closely with their advisors in structuring the degree plan to provide the best preparation for the desired career field or for graduate study. After graduation, merchandising majors often enter formal training programs with large retail stores and then move into positions as assistant buyers, assistant managers, bridal or fashion consultants, personal shoppers, executive trainees, visual merchandisers, etc. Apparel studies graduates find positions as assistant designers, assistant pattern makers, fabric specialists, production manager assistants, sample makers, custom design workers, costume museum curators or restorationists, theatrical costumers, etc.

Merchandising students complete an internship during their senior year. This supervised experience provides valuable pre-professional work experience and often develops into the graduate's first career position. Apparel studies students may also elect to complete an internship that parallels their career interest or take extra hours in their area of specialization. Internships may take place locally or in any geographical location that provides necessary experiences. Students are responsible for securing the internship position and obtaining approval for the site.

A thorough understanding of and interest in product information facilitates the exchange of information between the consumers and the producers of apparel, fashion, and textile products. Program graduates working in the fashion and textile industry are, therefore, in a unique position to influence positively the match of product characteristics and availability with consumer needs and expectations.

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Fashion Merchandising and Apparel Studies 166

Requirements for a Minor in Fashion Merchandising and Apparel Studies

All students pursuing a minor in Fashion Merchandising and Apparel Studies must complete eighteen (18) hours in Fashion Merchandising and Apparel Studies courses. The following courses are suggested for completing a minor in Fashion Merchandising and Apparel Studies: FMA 222, 330, 331, 332, 334, 335, 337, 421, 435, 436, and 437. In some instances prerequisites can be waived if expertise can be demonstrated by the student; therefore, individual students are encouraged to seek the approval of the adviser within the department of study in selection of the eighteen (18) hours.

HOME ECONOMICS

Students majoring in Home Economics may select courses to meet specific requirements for teacher certification by the Mississippi State Department of Education or to provide a broad background of home economics expertise. Graduates meeting certification requirements are qualified to teach in secondary Vocational Home Economics Education programs. (Students interested in pursuing a degree in Vocational Home Economics Education should also see the sections in this publication on "Teacher Education Program.") Students in the Teacher Certification program must make a "C" or better in all courses in the School of Family and Consumer Sciences.

Other graduates may be employed by the Cooperative Extension Service and by private or governmental agencies concerned with providing consumer services to individuals and families. Students may select Business courses to increase their employment opportunities in consumer affairs, marketing and product development, food or fashion journalism, communications, and consulting.

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HOTEL, RESTAURANT AND TOURISM MANAGEMENT

The Hotel, Restaurant and Tourism Management (HRTM) program provides life long career opportunities in the fastest growing segment of the service economy. Careers in lodging, food and beverage, and in travel and tourism are abundant, exciting and rewarding. The need for educated individuals who are committed to providing quality service in a professional manner, who possess critical thinking skills and who enjoy working with people is crucial for continued success. Hospitality and Tourism employers recognize a college education as the best preparation for those who desire a career as a hotel or restaurant manager, a tourism district director and many other titles.

The HRTM program at USM requires its students to obtain practical experience in the form of practicums and internships to augment and apply the skills and theories covered in class. Graduates have established careers in resorts, lodges, hotels, retirement villages, restaurant chains, visitor bureaus, cruise ships, tour companies, and in meeting and convention centers. The USM Hotel, Restaurant and Tourism curriculum is designed to ensure a comprehensive understanding of the service sector and to prepare students for management positions.

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Hotel, Restaurant and Tourism Management 168

Requirements for a Minor in Hotel, Restaurant and Tourism Management

A minor of Hotel, Restaurant and Tourism Management shall consist of a minimum of twenty-one (21) hours. Required courses are HRT 100, 483, and HRT 272, 272L for a total of nine (9) hours. The remaining 12 hours of HRT electives are chosen with the advice of HRT faculty, depending on individual student interest in lodging management, food and beverage management, or tourism management. Courses not available in the minor are HRT 279 and 479.

INTERIOR DESIGN

This program is for the student planning a professional career designing interior spaces within the human environment. The program's interdisciplinary approach addresses the needs and responsibilities of the professional interior designer. The curriculum contains courses in applied design as well as in related disciplines. The degree is accredited as a first professional degree level program by the Foundation for Interior Design Education Research (FIDER).

Career opportunities exist in the following areas: interior design firms, architectural and industrial designing firms, department and furniture stores, furniture and textile manufacturing companies, hotel and restaurant chains, antique dealers, and through self-employment.

A student must earn a grade of "C" or better in each course of the interior design studio sequence (ID 238, 240, 320, 340, and 440), before taking the next course in the sequence. Before taking ID 442 a student must have earned a grade of "C" or better in all completed interior design courses and have an overall 2.50 GPA for the last sixty hours of course work completed. Approval must be obtained through an application form available from the student's academic adviser.

Students suspended from the University or who are judged by program faculty to be in violation of professional codes of conduct and ethics will be dismissed from the interior design program. A

full explanation of expected professional conduct is provided regularly to prospective, entering, and continuing students. Students readmitted to the University after suspension must petition the interior design program faculty for readmission to the program.

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NUTRITION AND DIETETICS

Students have two options within the Nutrition and Dietetics major: the Coordinated Program in Dietetics (CP), which is accredited by the American Dietetic Association; and the Didactic Program in Dietetics (DPD), which is approved by the American Dietetic Association.

The Coordinated Program in Dietetics combines classes in the subject matter area with intensive supervised practice in participating hospitals, food service facilities, and community agencies during the junior and senior years of the program. Prospective students must apply to the Coordinated Program in the spring of their sophomore year by the cut-off date for fall acceptance. Criteria for acceptance include a GPA of 2.75, completion of specified courses with a grade of "C" or better, a letter of application, and references. Enrollment is limited. Upon completion of the degree, students are eligible to take the national registration examination to become Registered Dietitians.

The Didactic Program in Dietetics includes all courses necessary to meet the academic requirements of the American Dietetic Association and qualifies the student, upon graduation, to apply to a dietetic internship or other pre-professional practice program approved or accredited by the American Dietetic Association.

Requirements for a minor in Nutrition and Dietetics

Students pursuing a minor in Nutrition and Dietetics must complete a minimum of 18 credits in Food and Nutrition and related areas. All students must complete 6 credits consisting of the following courses: CHE 106 and NFS 362 or NFS 367. An additional 12 credits may be selected from the following courses: NFS 410, NFS 420, NFS 430, NFS 461, and NFS 463. The following courses will not count toward a minor in Nutrition and Dietetics: NFS 167, NFS 261, and NFS 265.

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SCHOOL OF HUMAN PERFORMANCE AND RECREATION

Sandra K. Gangstead, Director
Susan M. Hubble, Coordinator of Undergraduate Services
Hattiesburg, MS 39406-5142
(601) 266-5386

Angelopoulos, M. Bell, Bower, Bumgardner, Burchell, Cole, Crow, Denson, Drummond, Ellard, Gallaspy, Giles, F. Green, James, Krebs, J.W. Larson, Maneval, Martino, D. Phillips, Poole, R. Smith, Turk

The School of Human Performance and Recreation (HP&R) prepares professionals for career opportunities in meeting the complex educational, health, leisure, and sport science needs of society. Students have the option of majoring in one of three bachelor of science degree programs: Coaching and Sports Administration, Human Performance, or Recreation. Within these majors, students may concentrate study in one of the following emphasis areas: Coaching and Sports Administration, Physical Education, Sports Medicine, Recreation Administration and Therapeutic Recreation. Various School of HP&R curricular programs currently are accredited or approved by respective professional boards or agencies. These are:

Athletic Training—National Athletic Trainers Association (NATA)
Kinesiotherapy—American Kinesiotherapy Association (AKTA)
Physical Education—K-12 Teaching Certification Program— National Council for Accreditation of Teacher Education (NCATE)
Recreation—National Recreation and Parks Association (NRPA).

Additionally, courses are offered within the various degree programs which facilitate professional certification in Athletic Training (NATA certification and State of Mississippi

licensure), Kinesiotherapy (AKTA certification), Exercise Leadership Certification (American College of Sports Medicine [ACSM]), Teacher Certification-K-12 Physical Education (Mississippi State Department of Education), Therapeutic Recreation Specialist (National Council for Therapeutic Recreation Certification [NCTRC]), and Certified Leisure Professional (NRPA).

Several certification programs are also available through the School of HP&R for non-majors. Students seeking add-on Driver Education teaching endorsement may take several courses offered within the School of HP&R curricula. A variety of American Red Cross certifications are available in First Aid and Aquatics areas (see specific description of areas and corresponding courses of study for further detail).

Students majoring in any area of Human Performance and Recreation should follow the program outline in their area of study. High school graduates and transfer students from community/junior colleges or other four-year colleges may be admitted to the School of HP&R in their chosen degree programs upon admission to the University. Students desiring to transfer from other schools or colleges within the University must be in good academic standing and possess a minimum GPA of 2.0 in order to be admitted to a degree program. Please note that a number of programs within the School must meet criteria of accrediting agencies and therefore may have additional admission and retention requirements above those of the University. Students entering the School of HP&R will be assigned to the appropriate faculty member for academic advisement. .

All students majoring in any Human Performance and Recreation degree program must demonstrate proficiency (grade of "C" or better) in each HPR course required in their degree programs. Any major who earns a grade lower than a "C" must repeat the required course until proficiency is established. Specific program specialization areas may also have proficiency requirements above and beyond those previously discussed.

Driver Education Certification

Students who wish to meet the teacher certification requirement to teach driver education in Mississippi schools must complete requirements for a Standard Class A certificate and the following courses: CHS 341 or CJ 332; HPR 480, 483, 483L; and one course from HPR 370, 481, 482, or 484.

American National Red Cross Certification

The program offers certificates from the Red Cross in First Aid Instruction, Lifeguard Training Certification, Lifeguard Training Instructor Certification, Cardiopulmonary Resuscitation, Water Safety Instructor Certification, Standard First Aid Certification, Standard First Aid Instructor Certification, Responding to Emergencies Certification, Beginner through Swimmer Level Stroke Instruction, and Instructor Candidate Training Program. Please consult an advisor in Human Performance for specific course requirements.

Aquatics Specialization

The School of Human Performance and Recreation offers a group of aquatic-related courses which may be of interest to students who wish to receive instruction leading to various certifications within the American Red Cross aquatic programs. Any USM student is eligible to be certified in the ARC Aquatics Administration specialty by successfully completing the following classes as prescribed by the School of Human Performance and Recreation: HPR 364, 460; either HPR 360 or 363; and seven hours from the following: HPR 160, 163, 184, 300, 361, 363, 365, 380, or 420.

HP&R Lifetime Fitness and Activity Instructional Program

The School of Human Performance and Recreation offers a variety of 100-300 level activity-based academic courses. Students have the opportunity to learn basic skills of life-time sports, fitness and leisure activities which may be applied to on campus or off campus leisure time. Upper level service courses offered are designed to provide in-depth skill development in a particular area of interest. These are available to all students and are offered for a grade or on a pass/fail basis.

COACHING AND SPORTS ADMINISTRATION

The Bachelor of Science degree program in Coaching and Sports Administration offers professional preparation in basic sports administration with possible further specialization in Coaching. All Coaching and Sports Administration majors must complete a 14 to 16 semester hour degree core as well as University core requirements. Majors must also select to take either a block of additional course offerings to complete a Sports Administration or Coaching specialization. The

Sports Administration specialization is designed to prepare students who seek careers in sports programming in private enterprise, municipal sports administration, professional athletic office operations, or college athletic administration. Courses in the Coaching specialization are designed to provide students with the necessary foundational sport science theory and application in professional coaching and athletic administration settings. NOTE: This program does not prepare students for standard teacher certification in Mississippi. Students seeking Mississippi state teacher certification must pursue a second major in a recognized teaching area. See your advisor for more information.

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Coaching and Sports Administration 160

Requirements for a Minor in Coaching and Sports Administration

All students pursuing a minor in Coaching and Sports Administration must complete eighteen (18) hours in CSA-related courses. The following courses are required for a minor in Coaching and Sports Administration: HPR 307, 370, and 409. The remaining nine (9) hours may be selected from the following courses: HPR 306, 324, 325, 327, 340, 341, 363, 405, 407,410, 427, 428, 429, 468 or 470. HPR 470 and two coaching methods courses are highly recommended.

HUMAN PERFORMANCE

The Bachelor of Science degree program in Human Performance is designed to provide students with a foundation theory base in the movement sciences. Additionally, the program offers professional preparation in two distinctive areas of Human Performance: Sports Medicine and Physical Education. Within each of these emphases, students may select from several professional-based specializations in order to further prepare for future career interests. All Human Performance majors must complete a 22 to 28 semester hour degree core as well as the University core requirements. Majors must also select one of the two emphases and complete course requirements specific to the emphasis selected.

Majors interested in pursuing careers in either Athletic Training or Exercise Science should select the Sports Medicine emphasis within the degree program. Within this emphasis, students are required to take 22 semester hours in Sports Medicine-related course offerings. Students seeking careers as exercise specialists or fitness instructors in either corporate health promotion or rehabilitative medical settings should complete courses in the Exercise Science specialization.. Students who wish to pursue Athletic Training certification by the National Athletic Training Association (NATA) and Mississippi Athletic Training Licensure should complete courses in the Athletic Training specialization.

Majors interested in pursuing careers in the instruction of Physical Education in both school and non-school settings should select the Physical Education emphasis within the degree program. All students in this emphasis must complete the Physical Education Core (37 semester hours) and selected courses to meet the requirements of one of two certifications. Those students who wish to seek Standard Mississippi K-12 Physical Education Teacher Certification must follow prescribed courses listed in the K-12 Certification specialization. Upon successful completion of all degree requirements, students will be recommended by the College of Education and Psychology and the USM Teacher Education program for Standard Mississippi Teacher Certification (K-12 Physical Education) and will be immediately eligible to teach elementary and/or secondary level Physical Education in schools within Mississippi and many states throughout the U.S.

Students who are seeking careers in rehabilitation settings (public and private) should complete courses in the Kinesiotherapy specialization. Upon completion of successful certification examination, these graduates are eligible for Kinesiotherapy Certification by the American Kinesiotherapy Association (AKTA).

Athletic Training Program Admission and Retention

All students entering the athletic training program directly from high school and all students transferring to Athletic Training are subject to the admission procedures and standards of the University. Admission to The University of Southern Mississippi as a Human Performance/Sports Medicine major does not insure progression to the upper division Athletic Training courses. Students having completed HPR 219, CHS 101, PSY 110 and one of the following: BSC 250/250L or 251/251L, may make application to the Athletic Training program for progression to the upper division Courses in Athletic Training and admission to the program. Both BSC 250/250L and BSC

251/251L are required in the degree program. Application forms may be obtained from the Athletic Training curriculum director. Fall term admission application deadline is March 1, Spring term admission deadline is October 1. Students admitted to the athletic training program are required to have liability insurance through The University of Southern Mississippi. In addition to filing an application, the following minimum requirements must be met for consideration for admission to the Athletic Training program: a) 2.80 overall GPA; b) a minimum of "B" in HPR 219, BSC 250/250L or BSC 251/251L, CHS 101, and PSY 110; c) interview with the program director; and d) clinical experience. All students admitted to the Athletic Training program must adhere to the program retention policies which include; a) achievement of a grade of B or better in CHS 101, PSY 110, BSC 250, 250L, 251, 251L; FN 362; and HPR courses required in the degree program, b) maintain a 2.80 overall GPA, and c) adherence to codes of moral/ethical conduct (see Code of Ethics of the National Athletic Trainers' Association). Students must accumulate a minimum of 1075 hours of supervised clinical experience in laboratory/practicum courses over fall and spring semesters. Laboratory/ practicum courses for supervised clinical experiences are offered only during the fall and spring semester, and not during summer school. Students are not allowed to complete two practica in any on semester. Progression to the upper division athletic training courses shall be reserved for: a) students admitted to the Athletic Training Program, and b) upper division students who receive instructors' permission. A student who drops below an overall 2.80 GPA in the program will be placed on probation in the program for one semester. If the student does not obtain an overall 2.80 GPA during the probation semester, he/she will be dismissed from the program. Notification of dismissal from the program will be sent to the student by the program director. The student must petition in writing to the Athletic Training Admission and Progression Committee for consideration for readmission to the program.

Kinesiotherapy Program Admission and Retention

All students entering the Kinesiotherapy program are subject to the admission procedures of the School and University. Admission to the University of Southern Mississippi as a Human Performance/Physical Education major does not insure progression to upper division Kinesiotherapy-related Courses. Students transferring into the program must have attained a overall GPA of 2.80. Students enrolled in the Kinesiotherapy specialization must maintain a 2.80 GPA to continue in the program. Students who have a 2.50 GPA will be eligible for program probationary status for one semester only. An overall 2.80 GPA minimum must be reached upon completion of the probationary semester. Students enrolled in the Kinesiotherapy specialization must achieve a "C" or better in all HPR, PSY, BSC, and THY courses.

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Requirements for a Minor in Physical Education

All students pursuing a minor in Physical Education must complete eighteen (18) hours in Human Performance courses. The following courses are required for a minor in Physical Education: HPR 314, 320, and 326. The remaining nine (9) hours should selected from HPR 308, 308L, 401, 404, or 301/301L.

RECREATION

The Bachelor of Science degree program in Recreation offers professional preparation in two distinct areas of recreation: Recreation Administration and Therapeutic Recreation. All Recreation majors must complete a 39 to 42 semester hour degree core as well as the University core requirements. Majors must also select one of the two emphases and complete course requirements specific to the emphasis. The Recreation Administration emphasis is designed to prepare students for professional employment in a variety of recreational settings including community-based, commercial or outdoor recreation and park management. Students graduating from this program are immediately eligible to take the Certified Leisure Professional (CLP) Examination and apply for CLP certification.

The Therapeutic Recreation emphasis is designed to prepare students for professional positions as Therapeutic Recreation specialists in a variety of settings. Therapeutic Recreation Specialists may work with individuals with physical, mental, emotional, or social limitations in either

institutionalized or community-based settings. Graduates with the Therapeutic Recreation emphasis are eligible for National Council for Therapeutic Recreation Certification (NCTRC).

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Requirements for a Minor in Recreation

All students pursuing a minor in Recreation must complete eighteen (18) hours in Recreation-related HPR courses. The following courses are required: HPR 200, 322, and 323. The remaining nine (9) hours may be selected from approved electives following consultation with a recreation advisor.

SCHOOL OF NURSING

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Bain, Bates, Bender*, B. Bowman, Bryson, Butts, Cater, Chatham, Coyne, Cuellar, Dalgo*, Decoux*, Dubuisson, Fooladi, G. Ferguson*, Fryback, Gonsor, J.V. Harris, Hartman, Haspeslagh, Hobson, Huch, Janes, Johnson, Lester, Lewis*, Lundy, Masters,Mignor, S. Porter, Rachel*, Richeson, Rogers,Sheridan*, Shoemake, M. Sisemore, K. Smith, Stewart, Walley, Wilkins, York*
*Adjunct Faculty

HISTORY

Following a year of planning and curriculum development, the first students were admitted to the School of Nursing in September, 1967. The School of Nursing received National League for Nursing accreditation in 1969. The first Bachelor of Science degrees with Nursing as a major were conferred in May, 1969. The degree title was changed to Bachelor of Science in Nursing (BSN) April 1991.

ACCREDITATION

The School of Nursing program is accredited by the National League for Nursing and approved by the Board of Trustees of State Institutions of Higher Learning.

BACCALAUREATE PROGRAM

The Baccalaureate Program offers broad preparation in general education, as well as education for the professional practice of nursing in a variety of settings. Courses in the liberal arts and humanities, the sciences, and the professional component are selected to prepare the student to effectively assume the role of citizen and professional practitioner. Part-time studies are available; however, full-time students will be given priority for class space.

Successful completion of the nursing program leads to the awarding of the Bachelor of Science in Nursing Degree and permits the student to make application to take the National Council Licensure Examination for R.N. licensure. Applicants who have been convicted or have charges pending against them for a felony or misdemeanor in any state may be denied permission to take the licensure examination by the State Board of Nursing.

ADMISSION

All students entering the School of Nursing directly from high school and all students transferring to the School are subject to the admission procedures and standards of the University. Admission to The University of Southern Mississippi as a pre-nursing student does not insure progression to the upper division nursing major.

Students having completed at least 75% of the prerequisite nursing courses may make application to the School of Nursing for progression to the Nursing major. Application forms may be obtained through the Office of Student Services, Room 116 Harkins Hall. The deadline for return of completed applications is as follows:

Fall term admission—March 1.

Spring term admission—October 1.

In addition to filing an application, the following minimum requirements must be met for consideration for admission to the School of Nursing.

1. An Enhanced ACT of 21 or above. A corresponding score on the ACT taken prior to October 1989 or the SAT is acceptable.
2. An overall grade point average of 2.5 on courses prerequisite to the nursing major.
3. A minimum of a C in each prerequisite course applicable to the nursing curriculum.

Note: Only one natural science course may be repeated one time.

The number of students admitted each semester will vary according to the resources available. Mississippi residents will receive priority in admission to the School of Nursing.

ACADEMIC PROBATION/DISMISSAL

The following policies apply to all students admitted to the School of Nursing:

1. A student may repeat only one nursing course one time depending on availability of space in the course.
2. The student who receives a grade below a C in a nursing course will be contacted to determine if the student wishes to repeat the course. The student will be allowed to repeat the course if space is available.
3. After failing a second nursing course the student may not be readmitted to the program. Notification of dismissal will be sent to the student. The student may appeal the dismissal to the Admissions, Progression, Retention Committee.
4. The inability to function safely in a clinical setting is cause for dismissal from the nursing program (See current policies on safe clinical practice).
5. Students who violate codes of moral/ethical conduct will be dismissed from the nursing program. (See current policies on professional integrity and impaired student nurse policy).

READMISSION

Students who have previously enrolled in nursing courses, have a break in attendance of one or more terms, and leave in good standing must file an application for readmission to the School of Nursing. The deadline for return of completed applications is as follows:

Fall term readmission—March 1.

Spring term readmission—October 1.

Students are subject to the curriculum plan of study as outlined in the Undergraduate Bulletin of the year of readmission. Students must also meet the readmission policies of the University.

STUDENT ADVISEMENT

Each student admitted to the program will be assigned an adviser. The adviser will assist the student in planning a program of study toward the degree, approve the schedule each semester, provide counsel, and sign the application for degree.

EXPENSES

The general fees and expenses are the same for nursing students as for other University students. Additional expenses incurred by nursing students such as uniforms, books, insurance, student nurse organization fees, etc., are estimated as follows:

3rd Year	4th Year
$800.00	$400.00

Travel: Students are responsible for arranging transportation to off-campus hospitals and other agencies which constitute part of the program.

INSURANCE

Students enrolled in courses in the upper division nursing major of the nursing program are required to purchase professional and personal liability insurance through the University; a fee will be charged at the time of registration. Automobile liability insurance is required.

HEALTH EXAMINATION

A physical examination and selected immunizations are required for admission to the upper division and yearly for the remainder of the time required to complete the program. (See the School of Nursing Handbook for specific requirements.)

REGISTERED NURSE STUDENTS*

Registered nurse students must complete the same Bachelor of Science in Nursing degree prerequisites as all other degree candidates in the School of Nursing. The prerequisites may be taken at The University of Southern Mississippi or at another accredited college or university. (See University Bulletin for limitation of transfer credits.)

Registered nurse students may validate up to 30 hours of credit by examination. NSG 361, 362, and 363 involve taking standardized examinations prepared by the National League for Nursing. NSG 307 includes a written test. The student must be admitted to the University to enroll in these courses. If the student fails one or more of the validation examinations, he or she will be permitted to repeat the examination(s). If the student fails the second time, he or she must take the comparable courses in the baccalaureate program. Upon successful completion of the validation examinations, the registered nurse student is eligible to pursue the required nursing courses for completion of degree requirements. Please see the courses listed as required for RN-BSN program.

For further information write or call:
School of Nursing
The University of Southern Mississippi
Box 5095
Hattiesburg, MS 39406-5095
(601) 266-5639

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* Registered nurse student is a student who: (1) Is a graduate from either an associate degree program in nursing or a diploma nursing program; (2) Is registered to practice nursing in Mississippi; (3) Is admitted to and enrolled in The University of Southern Mississippi with the nursing major; and (4) Has a minimum of one year full-time clinical nursing experience.

SCHOOL OF SOCIAL WORK

Earlie M. Washington, Director
Charlotte Christ, Baccalaureate Program Director
Hattiesburg, MS 39406-5114
(601) 266-4163
Brooks, Forster, Rehner, Rowley, Saxon, Zimmerman

PURPOSE

The primary purpose of the School of Social Work is to provide professional social work education to undergraduate and graduate students. The social work profession recognizes the bachelor's degree as the first practice degree. The primary objective of the undergraduate program is to prepare students for entry level generalist social work practice. The undergraduate program also prepares students to enter graduate schools of social work or other professional degree programs.

HISTORY

Undergraduate courses in social work were transferred from the Department of Sociology and Anthropology to the School of Social Work effective July 1, 1988. The Bachelor of Social Work degree was approved by the Board of Trustees of the State Institutions of Higher Learning in December, 1989.

ACCREDITATION

The Council on Social Work Education granted candidacy status to the baccalaureate program in June, 1990. Current information on the status of accreditation may be obtained from the School of Social Work, 201 McLemore Hall, (601) 266-4163.

BACCALAUREATE SOCIAL WORK EDUCATION

The Baccalaureate program offers broad preparation in general education, as well as education for the professional practice of social work in a variety of settings. In addition to the professional component, courses in the liberal arts, the humanities, and the sciences are selected to prepare the student to assume effectively the roles of citizen and professional practitioner.

Social work is concerned with the interaction between people and their environment. Social workers deal directly with people in an effort to prevent or resolve problems which inhibit growth and development. Social work practice includes work with individuals, families, groups, organizations, and communities. The undergraduate social work program is structured to provide students with an opportunity to develop a broad background in the social and behavioral sciences. Theoretical knowledge of individual development, group processes, and organizational behavior are integral components of the curriculum. The development and modification of social policy, practice skills in interviewing, research, and methods of intervention are required social work courses to prepare students for social work generalist practice. In addition to required courses in the major, students are expected to gain practical experience through a field practicum in a social work agency during their senior year. Thus, a liberal arts background is integrated with the social work curriculum to help students develop a common core of knowledge and skills.

ADMISSIONS

All students entering the School of Social Work are subject to the admission procedures and standards of the University. Admission to the School of Social Work at The University of Southern Mississippi, however, does not ensure progression to the upper division Social Work major. Initially students will be admitted to the pre-social work program. Applications to the B.S.W. major may be submitted when the student has successfully completed the following:

1. A minimum of 56 credit hours of the 61 credit hours of university general education requirements.
2. An overall grade point average of 2.5 or above.
3. Forty hours of volunteer experience as part of SWK 230.
4. Completion of SWK 230, SWK 300, and SWK 315 with a minimum of a C in each course.
5. An interview with the Admissions Committee.

The number of students admitted each semester will vary according to the resources available. Academic credit for life and previous work experiences will not be granted in lieu of the field practicum or any other required Social Work course.

PROGRESSION

The following progression policies apply to all students admitted to the B.S.W. program:

1. The student may repeat three Social Work courses, but only once per course.
2. A minimum grade point average of 2.5 must be maintained in all Social Work courses after admission to the B.S.W.program.
3. A grade of C or higher in each course in the social work curriculum, with the exception of field instruction must be earned.
4. A grade of B or higher must be earned in field education.
5. The student must adhere to the standards of conduct listed in the Social Work Code of Ethics.

FIELD EDUCATION

After completing all course work, students enroll in a field practicum. The practicum allows students to apply the generalist problem-solving method in an agency serving individuals, families, groups, organizations, and communities from diverse racial, ethnic, cultural, sexual orientation, social, physical and religious backgrounds. Students practice in a social work agency or organization eight hours per day, Monday through Thursday, for a total of 450 clock hours during the semester. To promote integration of classroom learning and agency experience, students attend a field seminar on Friday. The student must obtain a grade of B or higher in Field Education in order to be awarded a Bachelor of Social Work Degree.

REQUIREMENTS FOR FIELD PRACTICUM

Students must submit formal application to the Director of Field Education at the beginning of the semester prior to registering for the field practicum. Practicum students must: complete all BSW required liberal arts courses (61 hours); complete 60 hours of the social work core curriculum and foundation electives; attain a 2.5 overall grade point average in SWK courses from the point of application; have been admitted to the BSW program; register for SWK 431-Senior Seminar; and spend a minimum of 450 clock hours in a field setting designated by the Director of Field Education. While in the Field Practicum, students will be assessed a fee to cover the cost of Professional Liability Insurance.

STUDENT ADVISEMENT

Advisement is an essential component of the B.S.W. program. Each student admitted to the program will be assigned an adviser. The adviser will orient students to the BSW program, assist them in assessing their aptitude and motivation for a Social Work Career, evaluate each student's performance and guide students in selecting coursework. When requested or required, the adviser also helps students resolve personal problems that affect the attainment of their educational goals.

PROBATION AND SUSPENSION

University regulations governing probation and suspension are outlined in this Bulletin under "General Academic Requirements—Academic Standards." In addition, students not meeting the progression policies outlined above will be subject to suspension by the Director of the B.S.W. program. Students not meeting the University grade point requirements will be placed on probation or suspended. Academic advisers should be consulted to assist students on probation. Any reinstatement must comply with University regulations and have the approval from the Director of the School of Social Work and the Dean of the College.

GRADUATION REQUIREMENTS

Students must file an "Application for Degree" at least one semester in advance of the anticipated semester of graduation. The application requires the signature of the student, the adviser, and the director. The degree application process is completed when the fee is paid at Business Services and the application is filed by the student. In order to graduate, the student must meet all prescribed course requirements and meet the progression policies of the School of Social Work.

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CENTER FOR COMMUNITY HEALTH

Paul W. Sharkey, Acting Director
Hattiesburg, MS 39406-5122
(601) 266-5437
Ahua, Carver, Graham-Kresge

The Center for Community Health was established in 1989 as an organizational focus for expanded activities in community health within the College of Health and Human Sciences. The Center offers an undergraduate degree with a major in Health Education and Administration. At the graduate level, the Center offers the only Master of Public Health degree in Mississippi, with

emphasis areas in Health Education, Health Administration, and Occupational and Environmental Health. The Center also serves as a base for interdisciplinary research and demonstration activities in such areas as rural health policy, community programs for the elderly, access to health care for disadvantaged populations, injury prevention, health promotion, and disease prevention.

This program of study is designed to prepare students for professional careers in health education and administration in a wide variety of health organizations such as voluntary health agencies, private agencies and industry, public health departments and other governmental agencies, community health centers, multispecialty clinics and hospitals.

Health Education is an applied science which seeks to bridge the gap between the findings of health-related research and the application of the findings to the daily lives of those who engage its services. Its functions are based on scientific principles, and its processes employ intellectual, psychological, and social dimensions as it attempts to increase the ability of people to make informed decisions about behaviors that affect personal, family and community well-being. Health Administration as a discipline applies learning from the social, behavioral, political and management sciences to the management of health care organizations and programs.

The program requires study in the foundations of community health programs and services, population sciences, biological sciences, disease causation and prevention, planning, and administration of health programs. Through the careful selection of electives and minors, students may direct their studies to achieve differing career goals. Students interested in careers in community or school health education will take electives in the content areas of health education (e.g. human sexuality, drugs, and alcohol abuse, safety, etc.) and select an area of concentration in Speech Communication, Psychology, Exercise Science, Food and Nutrition or other areas approved by their advisers. Students desiring teaching certification will minor in secondary education and meet all the requirements in the professional education core. Careful sequencing of professional education courses is necessary in order to complete the degree in a timely manner. Students wishing to pursue careers as first line and middle managers in community health organizations will minor in Management or General Business Administration. Electives will be chosen to enhance political and interpersonal skills.

Upon selecting Health Education and Administration as a major, students are assigned an adviser who will work closely with them over the course of their program. The Center emphasizes effective advising to ensure adequate preparation for careers in health education and administration. Students must earn a grade of C or better in all courses required for the major. Repeat policies follow that of the University.

Requirements for a Minor in Health Education and Administration

Student pursuing a minor in Health Education and Administration must complete a minimum of eighteen (18) hours of CHS courses including CHS 101, 210, and 409.

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COACHING AND SPORTS ADMINISTRATION

PACE Degree Plan

01. REASONING AND COMMUNICATIONS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SCM 111 OR SCM 350 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 ENG 203
- 02 HIS 101 AND HIS 102
- 03 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 CHS 101
- 03 SELECT 3 HOURS FROM COURSES DESCRIBED AS CATEGORY III ELECTIVES IN THE GENERAL EDUCATION CURRICULUM

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCE APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HOURS FROM THE GENERAL EDUCATION CURRICULUM

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167 OR NFS 362
- 02 HPR 105

06. MAJOR CORE REQUIREMENTS (14-16 HRS)
- 01 HPR 307
- 02 HPR 309 OR HPR 311, HPR 311L
- 03 HPR 405
- 04 HPR 409
- 05 HPR 470

STUDENTS SELECTING THE SPORTS ADMINISTRATION SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (65 HR MINIMUM)
- 06 ACC 200
- 07 ECO 201
- 08 MIS 201
- 09 MIS 202
- 10 ACC 300
- 11 MGT 300
- 12 MIS 300
- 13 MKT 300
- 14 COMPLETE 9 HOURS FROM COURSES HPR 420 OR HPR 495
- 15 HPR 410
- 16 HPR 434
- 17 TOE 467 OR BTE 467
- 18 HPR 468
- 19 SELECT 24 HOURS FROM THE FOLLOWING RECOMMENDED ELECTIVES: CSS 100, HPR 148, HPR 306, HPR 326, HPR 390, HPR 407, JOU 421, JOU 425, MGT 472, MGT 495, MKT 322, MKT 355, MKT 365, MKT 428, MKT 495. ANY OTHER COURSES MUST BE ADVISOR APPROVED.
- 20 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS IN THE PROGRAM

STUDENTS SELECTING THE COACHING SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (66-74 HRS)
- 06 BSC 250, BSC 250L
- 07 HPR 306
- 08 HPR 308, 308L
- 09 HPR 370
- 10 SELECT FOUR COURSES FROM: HPR 324, HPR 325, HPR 427, HPR 428, HPR 429, HPR 327, HPR 340, HPR 341, HPR 362, HPR 492
- 11 SELECT 21 HOURS FROM THE FOLLOWING RECOMMENDED ELECTIVES: HPR 274, HPR 301 AND HPR 301L, HPR 304, HPR 403, HPR 407, HPR 423, HPR 425, HPR 431, HPR 434, HPR 468. ANY OTHER COURSES MUST BE ADVISOR APPROVED.
- 12 COMPLETE 9 HOURS FROM COURSE HPR 420
- 13 COMPLETE A MINOR IN BIOLOGY, HISTORY, ENGLISH OR MATH
- 14 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS IN THE PROGRAM
- 15 STUDENTS SEEKING STANDARD TEACHER CERTIFICATION MUST PURSUE A 2ND MAJOR IN A RECOGNIZED TEACHING FIELD.

A Minimum of 128-134 Hours in Program

PHYSICAL EDUCATION
PACE Degree Plan

01. REASONING AND COMMUNICATIONS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 ENG 203
- 02 HIS 101 AND HIS 102
- 03 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 SELECT 3 HOURS FROM COURSES DESCRIBED AS CATEGORY III REQUIREMENTS IN THE GENERAL EDUCATION CURRICULUM, (HPR 200 RECOMMENDED FOR K-12 PE CERTIFICATION SPECIALISTS)
- 03 CHS 101

04. NATURAL SCIENCES (11 HRS)
- 01 BSC 250, BSC 250L
- 02 SELECT 1 LAB SCIENCE APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 03 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR CORE REQUIREMENTS (37-39 HRS)
- 01 HPR 146
- 02 HPR 147
- 03 HPR 148
- 04 HPR 220
- 05 HPR 301, HPR 301L
- 06 HPR 303
- 07 HPR 308, HPR 308L
- 08 HPR 309 OR HPR 311, HPR 311L
- 09 HPR 370
- 10 HPR 401
- 11 HPR 404
- 12 HPR 421
- 13 HPR 423
- 14 HPR 426

STUDENTS SELECTING THE K-12 PHYSICAL EDUCATION TEACHER CERTIFICATION SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (46 HRS)
- 15 COMPLETE 2 HOURS FROM COURSE HPR 210
- 16 SELECT 3 HOURS FROM COURSES LEVEL 200 OR 300 OR 400 FROM DEPT OF ENG
- 17 HPR 284
- 18 HPR 314
- 19 HPR 320
- 20 HPR 326
- 21 HPR 462
- 22 PSY 374
- 23 REF 400
- 24 REF 469
- 25 SPE 400
- 26 HPR 490
- 27 HPR 491
- 28 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM
- 29 SELECTION OF ELECTIVES COURSES LEADING TO A SECOND TEACHING ADD-ON ENDORSEMENT AREA IS HIGHLY RECOMMENDED.

STUDENTS SELECTING THE KINESIOTHERAPY SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (48 HRS)
- 15 BSC 251, BSC 251L
- 16 HPR 374
- 17 PSY 375
- 18 HPR 411
- 19 THY 411
- 20 THY 412
- 21 THY 413
- 22 THY 421
- 23 PSY 426
- 24 PSY 436
- 25 THY 451
- 26 THY 461
- 27 THY 462
- 28 THY 463
- 29 THY 464
- 30 THY 471
- 31 THY 472
- 32 THY 473
- 33 THY 474
- 34 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

A Minimum of 128-132 Hours in Program

SPORTS MEDICINE

PACE Degree Plan

01. REASONING AND COMMUNICATIONS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 ENG 203
- 02 HIS 101 AND HIS 102
- 03 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 CHS 101
- 03 SELECT 3 HOURS FROM COURSES DESCRIBED AS CATEGORY III REQUIREMENTS IN THE GENERAL EDUCATION CURRICULUM

04. NATURAL SCIENCES (11 HRS)
- 01 BSC 250, BSC 250L
- 02 BSC 251, BSC 251L
- 03 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR CORE REQUIREMENTS (22-24 HRS)
- 01 HPR 301, HPR 301L
- 02 HPR 303
- 03 HPR 308, HPR 308L
- 04 HPR 309 OR HPR 311, HPR 311L
- 05 HPR 370
- 06 HPR 423
- 07 HPR 470

STUDENTS SELECTING THE ATHLETIC TRAINING SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (36 HRS)
- 08 HPR 219
- 09 HPR 274
- 10 HPR 372, HPR 372L
- 11 HPR 374
- 12 HPR 375
- 13 HPR 378, HPR 378L
- 14 COMPLETE 10 HOURS FROM COURSE HPR 420
- 15 HPR 472L
- 16 HPR 475
- 17 HPR 479
- 18 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS SELECTING THE EXERCISE SCIENCE SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (34 HRS)
- 08 CHE 106, CHE 106L
- 09 HPR 302
- 10 HPR 304
- 11 NFS 362
- 12 HPR 401 OR 411
- 13 HPR 406
- 14 HPR 408
- 15 HPR 409
- 16 COMPLETE 6 HOURS FROM COURSE HPR 420
- 17 HPR 422
- 18 CHS 437 OR CHS 438
- 19 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 128 Hours in Program

RECREATION ADMINISTRATION
PACE Degree Plan

01. REASONING AND COMMUNICATIONS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 320

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 HIS 101 AND HIS 102
- 03 ENG 203

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 HPR 200
- 03 SELECT 3 HOURS FROM COURSES DESCRIBED AS CATEGORY III REQUIREMENTS IN THE GENERAL EDUCATION CURRICULUM

04. NATURAL SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HOURS FROM THE GENERAL EDUCATION CURRICULUM

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167 OR NFS 362
- 02 HPR 105

06. MAJOR CORE REQUIREMENTS (70-72 HRS)
- 01 HPR 200
- 02 HPR 201
- 03 MIS 201
- 04 MIS 202
- 05 COMPLETE 3 HOURS FROM COURSE HPR 210
- 06 MGT 300
- 07 HPR 303
- 08 HPR 309 OR HPR 311, HPR 311L
- 09 HPR 322
- 10 HPR 323
- 11 ENG 333
- 12 HPR 344
- 13 HPR 351
- 14 HPR 400
- 15 HPR 413
- 16 HPR 415
- 17 HPR 417
- 18 HPR 424
- 19 HPR 433
- 20 HPR 434
- 21 HPR 436
- 22 HPR 447
- 23 HPR 495
- 24 SELECT 2 HOURS OF ADVISOR APPROVED HPR ACTIVITY COURSES

STUDENTS SELECTING THE OUTDOOR RECREATION SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (12 HRS)
- 25 HPR 443
- 26 GHY 370 OR ESC 301
- 27 GHY 101
- 28 CJ 341
- 29 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

STUDENTS SELECTING THE COMMUNITY RECREATION SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (6 HRS)
- 25 HPR 390
- 26 PS 370
- 27 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

STUDENTS SELECTING THE COMMERCIAL RECREATION SPECIALIZATION SHOULD COMPLETE THE FOLLOWING REQUIREMENTS (15 HRS)
- 25 HPR 444
- 26 HPR 464
- 27 HRT 483
- 28 ACC 200
- 29 MKT 300
- 30 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

A Minimum of 128-131 Hours in Program

THERAPEUTIC RECREATION

PACE Degree Plan

01. REASONING AND COMMUNICATIONS (12 HRS)
- 01 ENG 101, ENG 102
- 02 SCM 305 OR SCM 330
- 03 MAT 101 OR HIGHER LEVEL

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 HIS 101, HIS 102
- 03 ENG 203

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 CHS 101
- 03 PSY 375

04. NATURAL SCIENCES (11 HRS)
- 01 BSC 250, BSC 250L
- 02 BSC 251, BSC 251L
- 03 SCIENCE OR MATH ELECTIVE: 3 - 4 HOURS FROM THE GENERAL EDUCATION CURRICULUM.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167 OR NFS 362
- 02 HPR 105

06. MAJOR REQUIREMENTS (86-88 HRS)
- 01 HPR 200
- 02 HPR 201
- 03 MIS 201
- 04 MIS 202
- 05 COMPLETE 3 HOURS FROM COURSE HPR 210
- 06 HPR 301, HPR 301L
- 07 HPR 308, HPR 308L
- 08 HPR 309 OR HPR 311, HPR 311L
- 09 ENG 333
- 10 HPR 322
- 11 HPR 323
- 12 PSY 331
- 13 HPR 350
- 14 HPR 351 OR HPR 452
- 15 PSY 360
- 16 HPR 400
- 17 HPR 411
- 18 HPR 413
- 19 HPR 415
- 20 HPR 434
- 21 HPR 436
- 22 PSY 436
- 23 HPR 450
- 24 HPR 451
- 25 HPR 453
- 26 HPR 495
- 27 SELECT 2 COURSES FROM HPR 351, HPR 452, HPR 477, PSY 312, PSY 435, SOC 450
- 28 SELECT 1 HOUR OF ADVISOR APPROVED HPR ACTIVITY COURSES.

A Minimum of 132-134 Hours in Program

CHILD AND FAMILY STUDIES

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSC 100

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 ART 130 OR AA 100 OR DAN 107 OR MUS 365 OR THE 100
- 02 HIS 101 AND HIS 102
- 03 ENG 203

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110 OR PSY 375
- 02 SOC 101
- 03 FAM 151

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 02 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR AREA OF STUDY (80 HRS)
- 01 CD 150
- 02 CD 350
- 03 CD 352
- 04 CD 450
- 05 CD 451
- 06 CD 452
- 07 CD 453
- 08 CD 477
- 09 CD 498
- 10 FAM 101
- 11 FAM 150
- 12 FAM 351
- 13 FAM 442
- 14 FAM 450
- 15 FAM 452
- 16 FAM 475
- 17 HPR 309
- 18 LS 417
- 19 NFS 363

STUDENTS INTERESTED IN CHILD DEVELOPMENT SHOULD COMPLETE THE FOLLOWING
- 20 CD 455
- 21 CIE 403
- 22 FAM 401
- 23 HPR 320
- 24 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS INTERESTED IN CHILD LIFE SHOULD COMPLETE THE FOLLOWING
- 20 CD 456
- 21 CD 492
- 22 CHS 101
- 24 PSY 331
- 25 NSG 406
- 26 PHI 452
- 27 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS INTERESTED IN FAMILY RELATIONS SHOULD COMPLETE THE FOLLOWING
- 20 FAM 443
- 21 FAM 451
- 22 FAM 490
- 23 CHS 422
- 24 CHS 436 OR PSY 231
- 25 PSY 372
- 26 PSY 375
- 27 PSY 423
- 28 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 128 Hours in Program

FASHION MERCHANDISING AND APPAREL STUDIES

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSC 100

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 ENG 203
- 03 HIS 101 AND HIS 102

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 FAM 151
- 03 ECO 201

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 02 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR REQUIREMENTS (80 HRS)
- 01 FAM 101
- 02 FAM 150
- 03 FAM 475
- 04 FMA 121
- 05 FMA 131
- 06 FMA 330
- 07 FMA 331
- 08 FMA 332
- 09 FMA 334
- 10 FMA 335
- 11 SELECT 1 COURSE FROM COURSES FMA 321, FMA 421, FMA 437, FMA 478
- 12 ENG 333
- 13 MGT 300
- 14 MKT 300

STUDENTS INTERESTED IN FASHION MERCHANDISING SHOULD COMPLETE THE FOLLOWING
- 15 ACC 200
- 16 FMA 221
- 17 FMA 222
- 18 FMA 337
- 19 FMA 435
- 20 FMA 436
- 21 FMA 439
- 22 MGT 364
- 23 MKT 330
- 24 MKT 444
- 25 SELECT 6 HOURS FROM COURSES MKT 355, MKT 365, MKT 458, MKT 495
- 26 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS INTERESTED IN APPAREL STUDIES SHOULD COMPLETE THE FOLLOWING
- 15 FMA 333
- 16 FMA 431
- 17 FMA 433
- 18 FMA 222 OR HEE 402 OR FAM 442
- 19 THE 201 AND 201L OR FMA 439
- 20 ART 101 OR ART 111
- 21 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM. SUGGESTED MINORS INCLUDE MKT, MGT, THE, OR ART.

FAMILY AND CONSUMER SCIENCES

PACE Degree Plan

01. REASONING AND COMMUNICATIONS SKILLS (12 HRS)
01 ENG 101 AND ENG 102
02 MAT 101 OR HIGHER LEVEL
03 SCM 111 OR SCM 305 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
02 ENG 203
03 HIS 101 AND HIS 102

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
01 ECO 201 OR PS 101
02 PSY 110
03 FAM 151

04. NATURAL AND APPLIED SCIENCES (11 HRS)
01 SEE MAJOR/EMPHASIS REQUIREMENTS
02 NFS 362

05. HUMAN WELLNESS (1 HR)
01 HPR 105

06. MAJOR AREA OF STUDY (83 HRS)
01 CD 350
02 FMA 330 OR FMA 334
03 FMA 131
04 FAM 101
05 FAM 150
06 FAM 442
07 FAM 443
08 FAM 475
09 NFS 261
10 HRT 272, HRT 272L
11 HEE 201
12 HEE 301
13 HEE 404
14 ID 140 OR ID 337

STUDENTS INTERESTED IN TEACHER CERTIFICATION IN HOME ECONOMICS SHOULD COMPLETE THE FOLLOWING
15 FAM 351 OR FAM 452
16 HEE 401
17 HEE 409
18 HEE 490
19 HEE 491
20 CIS 313
21 CSS 400
22 ENG 332 OR ENG 301
23 PSY 372
24 PSY 374
25 REF 400
26 REF 469
27 SPE 400
28 ESC 301
29 BSC 103, BSC 103L
30 BSC 281, BSC 281L
31 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS INTERESTED IN HOME ECONOMICS AND NOT SEEKING TEACHER CERTIFICATION SHOULD COMPLETE THE FOLLOWING
15 FAM 441
16 ACC 200
17 BA 200
18 CSC 100
19 JOU 202
20 MGT 300
21 MKT 300
22 MKT 330
23 MKT 365
24 SCM 305
25 SCM 320
26 SCM 330
27 ENG 301 OR ENG 333
28 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.
29 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 128 Hours in Program

HOTEL, RESTAURANT AND TOURISM MANAGEMENT

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102.
- 02 MAT 101 OR HIGHER LEVEL.
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330.
- 04 CSC 100

02. HUMANITIES FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100.
- 02 HIS 101 AND HIS 102.
- 03 ENG 203.

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 FAM 151
- 02 PSY 110 OR PS 101
- 03 ECO 201

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 BSC 281, BSC 281L
- 02 SELECT 1 LAB SCIENCE APPROVED UNDER THE GENERAL EDUCATION CURRICULUM.
- 03 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR AREA OF STUDY (80 HRS)
- 01 HRT 100
- 02 HRT 272, HRT 272L
- 03 HRT 279
- 04 HRT 340, HRT 340L
- 05 HRT 342
- 06 HRT 375
- 07 HRT 380
- 08 HRT 445
- 09 HRT 478
- 10 HRT 479
- 11 HRT 481
- 12 HRT 482
- 13 HRT 483
- 14 HRT 484
- 15 ACC 200
- 16 FAM 101
- 17 FAM 475
- 18 MKT 300
- 19 MGT 300
- 20 MGT 454 OR MGT 475

STUDENTS INTERESTED IN HOTEL AND RESTAURANT MANAGEMENT SHOULD COMPLETE THE FOLLOWING
- 21 HRT 440, HRT 440L
- 22 HRT 441
- 23 HRT 376
- 24 HRT 370 OR HRT 485
- 25 MKT 355 OR REI 330
- 26 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS INTERESTED IN TOURISM MANAGEMENT SHOULD COMPLETE THE FOLLOWING
- 21 HRT 485
- 22 HRT 494
- 23 MKT 355 OR MKT 458
- 24 PLG 461 OR PLG 463 OR PLG 465
- 25 PSY 360
- 26 JOU 421
- 27 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 128 Hours in Program

INTERIOR DESIGN
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102.
- 02 MAT 101 OR HIGHER LEVEL.
- 03 SCM 111

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 ART 130
- 02 HIS 101 AND HIS 102.
- 03 ENG 203

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 FAM 151
- 02 SOC 101
- 03 PSY 110

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES APPROVED UNDER THE GENERAL EDUCATION CURRICULUM
- 02 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR AREA OF STUDY (90 HRS)
- 01 FAM 101
- 02 FAM 475
- 03 ENG 333
- 04 ID 140
- 05 ID 233
- 06 ID 234
- 07 ID 238
- 08 ID 240
- 09 ID 320
- 10 ID 333 OR FMA 330
- 11 ID 335
- 12 ID 336
- 13 ID 338
- 14 ID 339
- 15 ID 340
- 16 ID 440
- 17 ID 441
- 18 ID 442
- 19 ID 490
- 20 ENT 100 OR ACT 132
- 21 ENT 220 OR ENT 320
- 22 ACT 303
- 23 ART 101 AND ART 113
- 24 ART 111
- 25 ART 112
- 26 SELECT 4 HOURS FROM COURSES ID 334, ID 478, HRT 442
- 27 SELECT 3 HOURS FROM COURSES ID 497, ACT 222, ACT 322, ART 332, ART 334.
- 28 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 135 Hours in Program

NUTRITION AND DIETETICS

PACE Degree Plan

01. REASONING AND COMMUNICATIONS SKILLS (15 HRS)
- 01 ENG 101 AND ENG 012
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSC 100

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 HIS 101 AND HIS 102
- 03 ENG 203

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 PSY 110
- 02 FAM 151
- 03 ECO 201

04. NATURAL AND APPLIED SCIENCES (12 HRS)
- 01 CHE 106, CHE 106L
- 02 BSC 250, BSC 250L
- 03 BSC 251, BSC 251L

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR AREA OF STUDY (79-85 HRS)
- 01 FAM 101
- 02 FAM 475
- 03 ACC 200
- 04 MGT 300
- 05 CHE 251, CHE 251L
- 06 CHE 420, CHE 420L
- 07 BSC 281, BSC 281L
- 08 NFS 265
- 09 NFS 367 OR NFS 362
- 10 NFS 410
- 11 NFS 420 AND NFS 420L
- 12 NFS 430
- 13 NFS 461
- 14 NFS 463
- 15 HRT 340, HRT 340L
- 16 HRT 440, HRT 440L
- 17 HRT 441
- 18 NFS 477
- 19 CHS 440

STUDENTS IN THE COORDINATED PROGRAM IN DIETETICS SHOULD COMPLETE THE FOLLOWING
- 20 NFS 461L
- 21 NFS 464
- 22 NFS 465
- 23 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

STUDENTS IN THE DIDACTIC PROGRAM IN DIETETICS SHOULD COMPLETE THE FOLLOWING
- 20 HRT 272, HRT 272L
- 21 ENG 333
- 22 NFS 467L
- 23 GENERAL ELECTIVES: SEE ADVISOR TO SELECT COURSES NEEDED TO COMPLETE THE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM.

A Minimum of 134-128 Hours in Program

BACCALAUREATE NURSING
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102.
- 02 MAT 101 OR HIGHER LEVEL.
- 03 CSS 100 OR CSS 240 OR CSS 330
- 04 SCM 111 OR SCM 305.

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.
- 03 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SOC 101.
- 02 PSY 110 AND PSY 110L.
- 03 PSY 375
- 04 SOC 314

04. NATURAL AND APPLIED SCIENCES (15 HRS)
- 01 BSC 250, BSC 250L
- 02 BSC 251, BSC 251L
- 03 BSC 280 OR BSC 380
- 04 CHE 106, CHE106L

05. HUMAN WELLNESS (3 HRS)
- 01 FN 367 OR NFS 362

06. SCHOOL OF NURSING REQUIREMENTS (73 HRS)
- 01 PSY 360 OR CHS 440
- 02 SELECT 3 HOURS FROM ANY DEPT
- 03 NSG 312
- 04 NSG 322
- 05 NSG 323, NSG 323L
- 06 NSG 350, NSG 352
- 07 NSG 326
- 08 NSG 327, NSG 327L
- 09 NSG 328, NSG 328L
- 10 NSG 412, NSG 412L
- 11 NSG 413, NSG 413L
- 12 NSG 429
- 13 NSG 427, NSG 427L
- 14 NSG 428, NSG 428L
- 15 NSG 430L

A Minimum of 128 Hours in Program

NURSING (RN Completion)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102.
- 02 MAT 101 OR HIGHER LEVEL.
- 03 CSS 100 OR CSS 240 OR CSS 330
- 04 SCM 111 OR SCM 305.

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101 AND HIS 102.
- 02 ENG 203.
- 03 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100.

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SOC 101.
- 02 PSY 110 AND PSY 110L.
- 03 PSY 375
- 04 SOC 314

04. NATURAL AND APPLIED SCIENCES (15 HRS)
- 01 BSC 250, BSC 250L
- 02 BSC 251, BSC 251L
- 03 BSC 280
- 04 CHE 106, CHE 106L

05. HUMAN WELLNESS (3 HRS)
- 01 FN 367 OR NFS 362

06. SCHOOL OF NURSING REQUIREMENTS (71 HRS)
- 01 PSY 360 OR CHS 440
- 02 SELECT 4 HOURS FROM ANY DEPT
- 03 NSG 361
- 04 NSG 362
- 05 NSG 363
- 06 NSG 322
- 07 NSG 326
- 08 NSG 403
- 09 NSG 427, NSG 427L
- 10 NSG 465, NSG 465L
- 11 NSG 429
- 12 NSG 469L
- 13 NSG 307
- 14 NSG 438
- 15 SELECT 6 HOURS FROM DEPT OF NSG

A Minimum of 128 Hours in Program

SOCIAL WORK
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101 AND ENG 102.
- 02 MAT 101 OR HIGHER LEVEL.
- 03 SCM 111 OR SCM 305 OR SCM 330.
- 04 CSC 100.

02. HUMANITIES AND FINE ARTS (24 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100.
- 02 ENG 203.
- 03 HIS 101 AND HIS 102.
- 04 SELECT 3 HOURS FROM COURSES ENG 300, ENG 301, ENG 322, ENG 333,
- 05 SELECT 6 HOURS FROM DEPT OF FL SPA 101 AND SPA 102 RECOMMENDED.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 SOC 101.
- 02 PSY 110
- 03 PS 101 OR ECO 201

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 GROUPS FROM:
  BSC 107, BSC 107L
  (BSC 110, BSC 110L) OR (BSC 103, BSC 103L)
  BSC 111, BSC 111L
  BSC 250 AND BSC 250L
  BSC 251 AND BSC 251L
- 02 NFS 362 or NFS 367 (3 hrs.) OR ANY OTHER CATEGORY IV SCIENCE ELECTIVE APPROVED BY THE ADVISOR

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167.
- 02 HPR 105.

06. MAJOR AREA OF STUDY (66 HRS)
- 01 SWK 230
- 02 SWK 300
- 03 SWK 315
- 04 SWK 340
- 05 SWK 341
- 06 SWK 321
- 07 SWK 329
- 08 SWK 330
- 09 SWK 331
- 10 SWK 420
- 11 SWK 430
- 12 SWK 431
- 13 SELECT 9 HOURS FROM COURSES SWK 451, SWK 450, SWK 477, SWK 478, SWK 492, SWK 498
- 14 PSY 360
- 15 SELECT 6 HOURS FROM COURSES SOC 240, SOC 314,SOC 424, SOC 450
- 16 SELECT 6 HOURS FROM COURSES PSY 375, PSY 436, PSY 450, PSY 456

07. GENERAL ELECTIVES (7 HRS)
- 01 GENERAL ELECTIVES: SEE ADVISER TO SELECT COURSES NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

A Minimum of 134 Hours in Program

HEALTH EDUCATION AND ADMINISTRATION

PACE Degree Plan

01. REASONING AND COMMUNICATION (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101 OR HIGHER LEVEL
- 03 SCM 111 OR SCM 305 OR SCM 330 OR SCM 320

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 ENG 203
- 03 HIS 101 AND HIS 102

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 SOC 101
- 02 PSY 110, PSY 110L
- 03 CHS 101

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LABORATORY SCIENCES APPROVED UNDER THE UNIVERSITY CORE
- 02 NFS 362

05. HUMAN WELLNESS (1 HR)
- 01 HPR 105

06. MAJOR AREA OF STUDY (9 HRS)
- 01 ENG 333
- 02 CHS 321
- 03 CHS 412

STUDENTS INTERESTED IN HEALTH EDUCATION SHOULD COMPLETE THE FOLLOWING (74 HRS)
- 04 CSC 100
- 05 BSC 250, BSC 250L
- 06 BSC 251, BSC 251L
- 07 CHS 210
- 08 CHS 408
- 09 CHS 409 OR CHS 410
- 10 CHS 420
- 11 CHS 425
- 12 CHS 440
- 13 CHS 493
- 14 MKT 300
- 15 PSY 432 OR PSY 436
- 16 HPR 308
- 17 SELECT 12 HOURS FROM DEPT OF CHS
- 18 GENERAL ELECTIVES: SEE ADVISER TO SELECT COURSES TO NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

STUDENTS INTERESTED IN HEALTH ADMINISTRATION SHOULD COMPLETE THE FOLLOWING (74 HRS)
- 04 CSC 100 OR MIS 201, MIS 202
- 05 CHS 409
- 06 CHS 420
- 07 CHS 425
- 08 CHS 438
- 09 CHS 440
- 10 CHS 427
- 11 CHS 493
- 12 MKT 300
- 13 MGT 300
- 14 ACC 200
- 15 SELECT 12 HOURS FROM DEPT OF CHS
- 16 GENERAL ELECTIVES: SEE ADVISER TO SELECT COURSES TO NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM

STUDENTS INTERESTED IN SCHOOL HEALTH TEACHER CERTIFICATION SHOULD COMPLETE THE FOLLOWING (76 HRS)
- 04 CSC 100
- 05 BSC 250, BSC 250L
- 06 BSC 251, BSC 251L
- 07 CHS 210
- 08 CHS 408
- 09 CHS 410
- 10 CHS 411
- 11 CHS 415
- 12 CHS 420
- 13 CHS 422
- 14 CHS 430
- 15 CHS 494
- 16 HPR 309 OR HPR 311, HPR 311L
- 17 SELECT 9 HOURS FROM DEPT OF CHS
- 18 PSY 370
- 19 PSY 372
- 20 PSY 374
- 21 PSY 422
- 22 REF 416
- 23 REF 400
- 24 REF 469
- 25 SPE 400
- 26 GENERAL ELECTIVES: SEE ADVISER TO SELECT COURSES TO NEEDED TO COMPLETE MINIMUM NUMBER OF HOURS REQUIRED IN THE PROGRAM
- 27 STUDENT SHOULD NOTE THAT STATE TEACHER CERTIFICATION REQUIREMENTS SUPERSEDE PROGRAM REQUIREMENTS LISTED IN THIS BULLETIN. STUDENTS SHOULD WORK CLOSELY WITH ADVISERS TO INSURE THE PROGRAM OF STUDY COMPLIES WITH CURRENT TEACHER CERTIFICATION REQUIREMENTS.

A Minimum of 128/128/130 Hours in Program

COLLEGE OF LIBERAL ARTS

ACADEMIC OFFERINGS
1996-1997

School/Dept./Program	Major/Emphasis	Degree
SCHOOL OF COMMUNICATION		
ADVERTISING (P)* **		
	ADVERTISING*	BA
COMMUNICATION (P)* **		
	COMMUNICATION	BA
JOURNALISM		
	JOURNALISM*	BA
	News-Editorial Emphasis	
	Public Relations Emphasis	
RADIO, TELEVISION, AND FILM		
	RADIO, TELEVISION, AND FILM*	BA
	Broadcast Journalism Emphasis	
	Film Emphasis	
	Radio-Television Production Emphasis	
SPEECH COMMUNICATION		
	SPEECH COMMUNICATION*	BA
SCHOOL OF LIBRARY AND INFORMATION SCIENCE		
	LIBRARY AND INFORMATION SCIENCE*	BA
AEROSPACE STUDIES (AIR FORCE R.O.T.C.)		
AMERICAN STUDIES (P)* **		
	AMERICAN STUDIES*	BA
ANTHROPOLOGY AND SOCIOLOGY		
	ANTHROPOLOGY*	BA
	(SOCIOLOGY)**	
CRIMINAL JUSTICE		
	CRIMINAL JUSTICE*	BA
	Juvenile Justice Emphasis	
ECONOMICS (P)* **		
	ECONOMICS*	BA
ENGLISH		
	ENGLISH*	BA
FOREIGN LANGUAGES AND LITERATURES		
	FOREIGN LANGUAGES*	BA
GENERAL STUDIES (P)* **		
GEOGRAPHY AND AREA DEVELOPMENT		
	COMMUNITY AND REGIONAL PLANNING*	BA
	GEOGRAPHY*	BA
Geographic Information Technology Emphasis		
HISTORY		
	HISTORY*	BA
HUMANITIES		
	(HUMANITIES)**	

INTERNATIONAL STUDIES (P)* **		
	INTERNATIONAL STUDIES*	BA
MILITARY SCIENCE (ARMY R.O.T.C.)		
PARALEGAL STUDIES (P)* **		
	PARALEGAL STUDIES*	BA
PHILOSOPHY AND RELIGION		
	PHILOSOPHY*	BA
	(RELIGION)**	
POLITICAL SCIENCE		
	POLITICAL SCIENCE*	BA
SPEECH AND HEARING SCIENCES		
	EDUCATION OF THE DEAF*	BA
	SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY*	BA
WOMEN'S STUDIES		
	(WOMEN'S STUDIES)**	

*Minor Available
**Minor Only
***(P) Programs

COLLEGE OF LIBERAL ARTS

Glenn T. Harper, Dean
Stanley R. Hauer, Associate Dean
Kara L. Craig, Director of Academic Support Programs
Hattiesburg, MS 39406-5004
(601) 266-4315

Mission and Organization

The College of Liberal Arts offers a wide range of academic majors in communication, the humanities, social sciences, and related disciplines. All major programs in the College award the Bachelor of Arts (B.A.) degree.

As the chart of academic offerings on the previous pages shows, the College of Liberal Arts is organized into two schools and fourteen departments, plus several interdisciplinary programs. In the sections below, the two schools (Communication and Library and Information Science) are presented first, with the constituent departments and programs of the School of Communication listed there. Then follow the remaining units in alphabetical order.

The collegiate general curriculum is listed below; this core curriculum is the foundation upon which a liberal education is based, encouraging students to think logically and creatively, communicate effectively, and write clearly. These are skills essential to any modern professional career. At the same time, students enrolled in the College of Liberal Arts are prepared in a special field of expertise, with a major and (usually) a minor, allowing a wide choice of career fields.

In addition, the College offers a two-hour elective course, GS 101 University Success Skills, designed specifically for the new student, providing an orientation to university life and introducing strategies for academic success.

GENERAL EDUCATION REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE IN THE COLLEGE OF LIBERAL ARTS

I. Reasoning and Communication Skills (12 hours)

ENG 101, 102 6
MAT 101 3
SCM 111, 305, or 330 3

II. Humanities and Fine Arts (30-33 hours*)

ENG 203 3
Fine Arts (AA 100, ART 130, MUS 365, DAN 107, or THE 100) 3
Foreign Language (see discussion below) 12
HIS 101, 102 6
*Humanities Elective(s) 3-6
Three to six hours chosen from any of the following, with no more than three hours from any one discipline: AMS 304, 404; ENG 200, 201, 202, 350, 351, 370, 371; HIS 140, HIS 141; HUM 233, 310, 320, 340, 370, RTF 170
PHI 151 or REL 131 3

III. Social and Behavioral Sciences (12-15 hours*)

Choose from at least four of the following disciplines: ANT 101, 221; ECO 201; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; PSY 110/L; SOC 101, 240, 314

IV. Natural and Applied Sciences (11 hours)

Laboratory Science (recommended courses include AST 111/L, AST 112/L, BSC 103/L, CHE 104/L, GLY 101/L; but any Category IV Laboratory Science course will suffice) 8
Science or Mathematics Elective (recommended courses include ANT 241, ESC 301, NFS 362, GHY 325; but any Category IV Elective will suffice) 3

V. Human Wellness (2 hours)

NFS 167 1
HPR 105 1

*Students completing three hours of humanities electives in Category II should take fifteen hours of social and behavioral sciences (Category III); those completing six hours of humanities electives should take twelve hours of social and behavioral sciences. In the PACE Degree Plans the Humanities/Social Science elective appears in Area 06.

Standards for Admission and Transfer

High school graduates and transfer students from other accredited colleges or universities may be admitted directly to the College of Liberal Arts and to their chosen major programs. Students desiring to transfer to the College of Liberal Arts from another college within The University of Southern Mississippi must be in good academic standing; normally they must present a minimum GPA of 2.0 in order to be admitted to a major program. (Some programs have higher admission standards; see the individual program listings below for specific requirements.) Students entering the college will be assigned to an appropriate faculty member for academic advisement.

Foreign Language Requirements

The Bachelor of Arts degree offered by the college requires proficiency in a foreign language, to be chosen from any one of the following: French, German, Classical Greek, Italian, Japanese, Latin, Russian, or Spanish. (Not all of these languages will be available every year.) Normally twelve (12) hours of beginning and intermediate foreign language instruction are required, through course level 202. Students are encouraged to begin their study of foreign language during the first semester of their freshman year.

Students with previous experience in languages (such as courses from high school or community college) may satisfy this requirement through advanced placement in as few as six hours (course level 201, 202). Course credit for previous work in language may be acquired through the CLEP examination; for details, contact the Department of Foreign Languages and Literatures (phone 266-4964).

With the approval of their department chair and the dean, international students may use their native language as an exemption from this requirement.

Study Abroad

In cooperation with the College of International and Continuing Education, the College of Liberal Arts offers many opportunities to study abroad and strongly encourages its students to take advantage of them. Summer study-abroad programs are available in England, Austria, France, Mexico, and the Caribbean; moreover, year- and semester-long programs of study can be arranged in these and other countries. Academic credit for study abroad may be used to satisfy requirements in the major or minor. Many students find study abroad a good way to complete their language requirement for the B.A. Financial aid may be applied toward the tuition of study-abroad coursework.

For details on the college's study-abroad programs, students should consult their adviser or the College of International and Continuing Education (phone 266-4344).

P.A.C.E. Office

Joan Brashears, Supervisor of Academic Records
Hattiesburg, MS 39406-5123
(601) 266-5616

The college makes full use of the Programmed Academic Curriculum Evaluation (PACE) program in advising. The college believes that the contact between student and adviser is a vital one, and the PACE program facilitates a maximum use of these hours spent in conference together.

PACE Degree Plans for all the programs of the college are printed in this Bulletin. They list all of the requirements for each program and track the student's progress toward them.

A Note on Total Required Hours: The college and the university require a minimum of 128 credit hours to graduate. A few programs in the college require more than this total number. The PACE Degree Plan enumerates the number of required hours in each area of study. Students should observe, however, that many programs allow an overlapping of certain courses in the general curriculum and the major. Thus the total number of hours required may actually be less than a tally of these area subtotals might indicate.

Secondary Teacher Certification

The College of Liberal Arts offers several programs leading to teacher certification at the secondary level. After passing the appropriate sections of the National Teachers' Examination, students should complete thirty-two (32) hours of professional education courses: REF 400, PSY 374, SPE 400, REF 469; a General Methods (normally CIS 313) and an Area Methods course; Student Teaching (carrying fourteen hours credit). These requirements are subject to modification;

for current information students should contact the University's Teacher Certification adviser, 116 Owings-McQuagge Hall; Phone 266-5522.

The State Department of Education also provides an alternate route to certification for graduates of an accredited college or university. For details and specific procedures contact:

The Office of Teacher Certification
State Department of Education
Post Office Box 771
Jackson, Mississippi 39205
Telephone: (601) 359-3483

SCHOOL OF COMMUNICATION

Gene Wiggins, Director
Hattiesburg, MS 39406-5158
(601) 266-5650

The School of Communication is a separately organized entity within the College of Liberal Arts and is comprised of five programs and departments: Advertising, Communication, Journalism, Radio, Television, and Film, and Speech Communication.

ADVERTISING PROGRAM

Tommy V. Smith, Director
Hattiesburg, MS 39406-5121
(601) 266-4258

The Department of Journalism offers a major in advertising in association with the Department of Radio, Television, and Film.

The Advertising Program and the Department of Journalism are accredited by the Accrediting Council on Education in Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The program is designed to teach students the creative and business practices of advertising. Graduates are prepared for professional positions as advertising layout artists, copy writers, media planners, and account executives in the mass media, advertising agencies and advertising departments in business and industry.

REQUIREMENTS FOR A MAJOR IN ADVERTISING

Students in the program must complete thirty-three (33) semester hours, but not more than thirty-six (36) semester hours, in Journalism and Radio, Television, and Film, including JOU 231, 330, 333, 421, 431, 433; RTF 330, 425. An 18-21 hour minor is required. However, students in the Advertising Program may not minor in Journalism or Radio, Television, and Film. Advertising majors may not receive credit for MKT 355. Courses for other minors are chosen in consultation with the adviser. A statistics course is required of all students in the program. Students must choose one course from CSS 211, BA 301, PSY 360, SOC 460.

Requirements for a Minor in Advertising

All students pursuing a minor in advertising must complete a minimum of eighteen (18) hours of journalism courses. The following six (6) hours are required: JOU 231, 330. The remaining twelve (12) hours are to be selected in consultation with an advertising adviser who can recommend courses in advertising and public relations.

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COMMUNICATION PROGRAM

Keith V. Erickson, Director
Hattiesburg, MS 39406-5131
(601) 266-4271

The Communication Program offers an interdisciplinary major involving the Departments of Speech Communication, Journalism, and Radio, Television, and Film. It is designed to prepare students for careers as communication specialists within business and industrial organizations, government agencies, trade and professional associations, or public institutions. A broad background in liberal arts and social sciences is recommended, and students are advised to concentrate their electives in these areas. A minor is not required for the Communication major.

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DEPARTMENT OF JOURNALISM

Arthur J. Kaul, Chair
Hattiesburg, MS 39406-5121
(601) 266-4258
Davies, Shoemake, T. Smith, Theus, E. Wheeler, Wiggins, Yssel

The objective of the Department of Journalism is to teach students professional and theoretical concepts and to develop their technical skills to enable them to be productive and responsible contributors in the field of journalism. The program emphasizes the basics of reporting, writing, editing, and taking and developing pictures, but professional preparation also requires an understanding of the history and legal, ethical, and social responsibility of journalism. The department strives to achieve an integration of practice and theory in its courses.

The Department of Journalism and its emphasis areas are accredited by the Accrediting Council on Education in Journalism and Mass Communication, the national accrediting agency for programs in Journalism and Mass Communication.

The department offers a choice of two emphasis areas of study: News-Editorial and Public Relations, and it administers an interdisciplinary Advertising degree program. These are designed to prepare students for a variety of career positions, including news reporting and editing, writing, photojournalism, advertising, and public relations.

The faculty strongly believes that students should have a broad cultural education in the humanities and social sciences to go with their professional preparation so they can serve society, as well as their own self-interests, productively and responsibly. Thus, students are limited to thirty-seven (37) semester hours in the Department of Journalism. From course work taken outside of the department, in consultation with their advisers, students must develop a minor area or a second major.

REQUIREMENTS FOR A MAJOR IN JOURNALISM

Common Requirements for a Major in Journalism

A student majoring in Journalism will work toward the Bachelor of Arts degree. Working closely with an adviser, the student will select course work to fit an appropriate educational goal and selected emphasis area of study. All students pursuing a major in Journalism must complete the following requirements, which include a minimum of thirty-one (31) semester hours, but not more than thirty-seven (37) semester hours in journalism and/or radio-television-film:

	Hours
General Core for the College of Liberal Arts	70
Major Requirements	31-37
Minor Requirements	18
Electives (Non-journalism)	3-10
	Total: 128

All majors in the News-Editorial emphasis are expected to do practical work on The Student Printz. Others are invited to participate in the publication of the newspaper.

Requirements for an Emphasis in News-Editorial

The News-Editorial Program is designed to prepare students for positions in the news media as reporters, editors, and writers. Students in this emphasis must complete thirty-one (31) semester hours, but not more than thirty-seven (37) semester hours in Journalism, including JOU 202, 203, 241/241L, 303, 311, 312, 402, 450, and 460. From elective course work taken outside the Department of Journalism, students are advised to develop an area of concentration that supports and enhances their educational and professional goals.

Students may pursue a concentration in photojournalism within the News-Editorial Emphasis. Required courses in News- Editorial are JOU 202, 203, 311, 312, 450, and 460, including one course chosen from among JOU 301, 303, 452, or 455. The photojournalism concentration requires completion of JOU 241/L, 242/L, 441/L, and three or four hours chosen from Journalism and/or Radio, Television, and Film.

Requirements for an Emphasis in Public Relations

This program of study is designed to prepare students for careers as public relations practitioners, and consultants in business and industry, non-profit organizations, educational institutions, and governmental agencies.

Students in this program must complete thirty-one (31) semester hours, but not more than thirty-seven (37) semester hours of Journalism, including JOU 202, 203, 241/241L, 311, 312, 421, 422, 426, and 428. Because of the interdisciplinary nature of the field of public relations, students are advised to take courses in other areas of communication.

Requirements for a Minor in Journalism

All students pursuing a minor in journalism must complete a minimum of eighteen (18) hours of journalism courses. The following seven (7) hours are required: JOU 202, 241/241L. The remaining eleven (11) hours are to be selected from any courses with a JOU designation. These courses should be selected in consultation with an adviser affiliated with the particular area to be emphasized—News-Editorial or Public Relations.

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DEPARTMENT OF RADIO, TELEVISION, AND FILM

David H. Goff, Chair
Hattiesburg, MS 39406-5141
(601) 266-4281

R. B. Cade, Gentile, Hall, Haque, McDowell, Strout, Webster

The Department of Radio, Television, and Film offers preparation for professional employment in the diverse film and electronic media industries. The one constant that characterizes these fields is change. Therefore, the department strives to equip students with more than current career skills. The total program emphasizes the broader skills which prepare students for the continuing self-education required to meet the challenge of change in one's life and in one's career. The major in Radio, Television, and Film also provides an excellent preparation for graduate study in film or mass communication. In addition to the curriculum for RTF majors, the department provides instructional support to interdisciplinary programs in Advertising and Communication.

Students majoring in Radio, Television, and Film select one of three emphasis areas. Broadcast Journalism prepares students to enter the challenging and competitive field of radio and television news. The Film emphasis is designed to prepare students for positions with large and small motion picture production companies, film units within television operations, federal or state agency production units, or for self-employment as independent producers, directors, or production specialists. The Radio-Television Production emphasis is intended for students who seek careers in advertising and program production in broadcasting and cable television. This emphasis also prepares students to pursue career opportunities with the growing number of corporations, medical centers, and governmental agencies that utilize television communication for training and institutional communication.

Three curricular options are strongly recommended for students who wish to maximize the benefits of their undergraduate education. The Internship Program, British Studies Program, and Caribbean Studies Program should be considered and discussed with faculty advisers early in one's program of study. The Internship Program (RTF 303) provides supervised experiential learning in a professional setting. To qualify for the program, an RTF major must have completed all but twelve hours of major course work with a B average in RTF courses and an overall GPA of 2.5. Eligible students must submit an internship application to the department chair prior to the midpoint of the semester preceding the requested internship. Students employed by a film or electronic media firm cannot receive academic credit for work they are already doing for pay.

The British Studies Program (RTF 476 or 499) and the Caribbean Studies Program (RTF 489) enable students to study the British and Caribbean media or contributions to filmmaking during an intensive five week summer program. These programs offer unparalleled opportunity for the educational and cultural enrichment of a student's undergraduate education.

REQUIREMENTS FOR A MAJOR IN RADIO, TELEVISION, AND FILM

The major in Radio, Television, and Film consists of 36 semester hours of course work. A grade of C or better must be earned in all sequential production courses and in the Broadcast Journalism sequence. For example, in the Television Production sequence (RTF 140, 340, 440, 447), a student must earn at least a C in RTF 140 before advancing to RTF 340, etc. The Film Production sequence is RTF 140, 371, 471, 485; the Broadcast Journalism sequence is JOU 202, RTF 302, 304, 305.

All Radio, Television, and Film majors are required to complete the following:

General Education Requirement for the College of Liberal Arts	70
RTF Major	36
Minor (RTF majors may not select Advertising, Communication, or Journalism)	18
Electives	4
Total	128

NOTE: All students must complete a minimum of 128 semester hours with at least 45 semester hours at the 300 or 400 level. The number of elective credit earned will vary.

Requirements for a Minor in Radio, Television, and Film

The student minoring in Radio, Television, and Film must complete a minimum of eighteen (18) hours in RTF courses with at least nine (9) hours above the 300-level. The department recommends structuring the selection of minor courses along the lines of one of the three emphasis areas offered to RTF majors. The chair and faculty will be pleased to advise minors and to recommend an appropriate selection of courses. Students seeking an RTF minor and their advisers are cautioned to pay close attention to RTF course prerequisites.

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DEPARTMENT OF SPEECH COMMUNICATION

Keith V. Erickson, Chair
Hattiesburg, MS 39406-5131
(601) 266-4271

Conville, L. Goff, Gwin, Hosman, Meyer, Siltanen, Tardy

Modern theorists agree that the fundamental human relationships in our culture are conducted through speech communication. The academic discipline of speech communication has as its focus the normal processes of oral, face-to-face, human interaction. Course work is directed toward preparing the graduate with communication skills suited to business and industry, in particular those occupations that require competency in presentational and oral interaction skills. Students are prepared as well to study and evaluate communication processes in a variety of contexts, including health, legal, political, organizational, and business settings. Recent graduates have secured positions in a variety of occupations, including public relations, personnel, sales, marketing, business, industry, and government.

Students interested in an organizational communication (business and industry) orientation are advised to include SCM 312, 320, 350, 410, 420, and 430 among their elective courses. Complementary minors, such as journalism, marketing, general business, and management, are arranged in consultation with the major adviser.

AN OUTLINE OF THE SPEECH COMMUNICATION MAJOR

Students are to complete a minimum of thirty-nine (39) hours as specified below:

I. Core (12 hours)

SCM 111	Oral Communication
SCM 305	Interpersonal Communication
SCM 311	Persuasion
SCM 330	Small Group Communication

II. Electives (27 hours)

SCM 303 ..... Argumentation and Debate
SCM 312 ..... Interviewing
SCM 315 ..... Advanced Public Speaking
SCM 320 ..... Business and Professional Speaking
SCM 350 ..... Nonverbal Communication
SCM 403 ..... Political Communication
SCM 405 ..... Relational Communication
SCM 410 ..... Organizational Communication I
SCM 411 ..... Managing the Forensics Program
SCM 412 ..... Advanced Persuasion
SCM 415 ..... Rhetorical Criticism
SCM 420 ..... Organizational Communication II
SCM 425 ..... Communication and Conflict Resolution
SCM 430 ..... Communication and Small Group Decision-Making
SCM 435 ..... Speech Communication in Legal Contexts
SCM 440 ..... Health Communication
SCM 450 ..... Seminar in Speech Communication (may be repeated)
SCM 455 ..... Freedom and Responsibility of Speech
SCM 460 ..... Public Advocacy and Advanced Argumentation
SCM 475 ..... Gender Issues in Speech Communication
SCM 490 ..... Theories of Speech Communication
SCM 492 ..... Special Problems
SCM 499 ..... British Studies in Communication

Requirements for a Speech Communication Major With Teaching Certification

The certification program certifies the graduate to teach speech communication in grades 7-12. It meets or exceeds the requirements set down by the Mississippi State Department of Education and earns NCATE (National Council for Accreditation for Teacher Education) certification. Meeting NCATE requirements carries with it automatic certification in 30 states in addition to Mississippi. Students should note that the total hours required by this program exceeds the university minimum of 128 hours in order to maintain a program of the highest quality in the teaching area plus NCATE certification.

Requirements for a Minor in Speech Communication

All students pursuing a minor in speech communication must complete eighteen (18) hours of Speech Communication courses. The following courses are required: SCM 305, 311, 330. The following courses will not count toward the minor: SCM 301L, 411, 459, 492.

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SCHOOL OF LIBRARY AND INFORMATION SCIENCE

Joy M. Greiner, Director
Hattiesburg, MS 39406-5146
(601) 266-4228

Bishop, Boshears, Laughlin-Porter, Norton, Rodriguez-Buckingham

The purpose of the School of Library and Information Science is to educate students for careers in librarianship and related fields. Covering all types of media formats, the curriculum prepares future librarians to organize, develop, access, and evaluate print and non-print resources in various types of libraries.

The Bachelor of Arts degree in library and information science may be used to satisfy the requirements for certification as a school library media specialist. The baccalaureate degree in library and information science with a teacher certification emphasis is approved by the National Council for Accreditation of Teacher Education. The graduate program in library and information science is the only master's program in Mississippi accredited by the American Library Association (see the Graduate Bulletin).

The School cooperates with the University Placement Service in assisting its graduates in finding positions. Students are encouraged to join and support the activities of the Library and Information Science Student Association, the American Library Association, the Special Libraries Association, and the Mississippi Library Association. Often these professional organizations provide job placement services.

Academic Standards for a Major in Library and Information Science

Any student who satisfies admission requirements to the University through the Office of Admissions is eligible for admission to the School of Library and Information Science. All students majoring in library and information science must have their major program approved by the director of the school and have a completed program plan on file in the director's office.

During the first two years at the university, the library and information science major should acquire a broad general education in the liberal arts and sciences. Library and information science courses for the undergraduate major or minor are begun in the junior year and completed in the senior year. Library and information science majors are advised to concentrate elective hours in one subject field, professional area, or language in order to qualify for better library positions. The student's choice of a degree program should be determined by his or her career goals, certification requirements, and in consultation with a faculty adviser or the director of the school.

Students desiring to prepare for positions in public, college, and special library fields should follow the general Bachelor of Arts degree program described below; this requires twenty-five (25) credit hours. General library and information science majors must also complete the requirements for a minor or a dual major in another field, and sufficient elective hours from any departments of the university to complete the 128 semester hours required for a degree. Students should consult their adviser when planning their minor or dual major.

Students are advised that in order to qualify for many professional positions in the library field, especially those in public, college, and special library fields, a Master of Library and Information Science (MLIS) degree is required. This graduate degree can be earned in one additional year of study beyond the B.A. See the Graduate Bulletin for information on the graduate program in library and information science.

Certification as a School Library Media Specialist

Students desiring to become public elementary or secondary school library-media specialists should follow the applicable teacher certification degree program. Certification as a school library media specialist in the State of Mississippi requires a library and information science major of twenty-seven (27) hours plus thirty-five (35) hours of professional education core courses. Existing teacher education programs as presented in this Bulletin are subject to change contingent on formal university approval. Out- of-state students should consult with their respective state agencies regarding certification requirements. For more information about the Teacher Certification Program, contact the School of Library and Information Science.

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DEPARTMENT OF AEROSPACE STUDIES (AIR FORCE ROTC)

Ben F. Young Jr., Lt. Col., Chair
Hattiesburg, MS 39406-5145
(601) 266-4468
Byrd, Nastasi

The Air Force ROTC Program offers a course of study leading to a commission as a second lieutenant. The program is an accredited part of the curricula of the university. AFROTC may apply toward satisfying the requirements for an academic minor.

AFROTC Requirements

Students may enroll in AFROTC if they meet the following requirements:

General Military Course: Men and women who are full-time university students may enroll in

the General Military Course (GMC). The GMC surveys the missions, activities, and history of the United States Air Force. There is no obligation associated with enrollment in any GMC course. The Professor of Aerospace Studies may grant credit or partial credit for completion of the GMC for students who have served on active duty, for junior or senior level ROTC participation in a program of any service, and for Civil Air Patrol work.

Professional Officer Course: Enrollment in the Professional Officer Course (POC) is limited to those students who have applied and have been accepted for this course. Application is normally made while a member of the GMC or (for students not enrolled in the GMC) early during the academic year prior to the year of desired entry. Students with previous military service may apply for direct entry. Individuals entering the POC must have two academic years remaining in college as full-time students at the undergraduate and/or graduate level. Students who complete the Professional Officer Course in Aerospace Studies (AFROTC) are allowed to waive the requirement for an academic minor, if one is required in their major. After completing their studies, all POC students are obligated to accept a commission and to enter the active duty Air Force.

Students who enter Air Force ROTC classes are considered to be in the Four- or Two-Year Program, depending on their academic progress upon entry. Enrollment in the General Military Course offers the student good exposure to the Air Force without obligation and also affords maximum opportunity for scholarships and entry into the Professional Officer Course. The POC is normally preceded by either a four- or six-week summer field training conducted at various Air Force bases. Financial entitlements while in the POC normally total about $3,000 for non-scholarship students.

AFROTC College Scholarship Program

An Aerospace Studies committee nominates qualified freshman, sophomore, and junior students to compete for three- and two-year scholarships. Scholarships can pay full tuition, as well as certain fees and expenses associated with required courses, including most textbooks. In addition, the recipient will receive a $150 (tax-free) monthly allowance during the school year. Scholarships are awarded on the specific needs of the Air Force. All academic majors are potential scholarship recipients, with technical, scientific, nursing and premed or preosteopath leading in overall awards. However, many scholarships are awarded for non-technical and non-scientific majors. Interested students should contact the Department of Aerospace Studies.

Four-year scholarships are also available to high school students. High school students interested in making application should write: Air Force ROTC (RRUC), Maxwell AFB, Alabama 36112- 6106 during their junior year or before November of their senior year.

Satisfactory completion of courses in English composition and mathematical reasoning are required for scholarship and POC students. Completion of the University Core will normally fulfill these requirements.

Department Activities

Air Force ROTC students are eligible for membership in Arnold Air Society and to participate in departmental activities. Arnold Air Society is a national service organization and sponsor of Angel Flight, a national coed service organization. Other departmental activities include orientation flights, visits to Air Force bases, and intramural sports.

AMERICAN STUDIES PROGRAM

Edward M. Wheat, Director
Hattiesburg, MS 39406-10065
(601) 266-4310

The American Studies Program offers an interdisciplinary major or minor for students interested in a broad liberal arts education. Through courses from many fields, the student acquires an understanding of the development of the American heritage. By course selection and during the American Studies Seminar, students may pursue their special interests. The major requires thirty (30) semester hours.

Though no minor is required with the American Studies major, students are encouraged to have a second major or minor in complementary, career-oriented fields such as pre-law, pre- medicine, pre-dentistry, paralegal studies, journalism, public relations, library science, accounting, marketing, management, radio-television-film, military science, and education. The requirements listed below are in addition to the Liberal Arts core curriculum. Students in this program will be advised by the director of the American Studies Program.

Options for the American Studies Major

Thirty (30) hours selected from the groups below:

Group I. One course from each field 9

ENG 370, 371, 372, 470, 471, 472, 473, 477, 478, 485, 489
HIS 340, 342, 344, 401, 440, 442, 443, 444, 446, 447, 448, 450, 451, 452, 453, 454, 455, 458
PS 301, 303, 330, 370, 375, 380, 401, 402, 404, 405, 406, 408, 409, 425, 456, 458, 472, 473, 480, 481, 489

Group II. One course from three different fields 9

AMS 304, 404
ANT 315, 333, 433
BSC 400, 403, 406
CJ 200, 325, 330, 352, 360, 440, 463, 470, 480
ECO 305, 330
ESC 301
GHY 370, 401, 402, 435, 440
HPR 200
JOU 421, 450, 452, 455, 460
MUS 332, 366, 432
PHI 440
PSY 450, 456
RTF 370, 448, 460, 478
SOC 240, 301, 310, 311, 314, 421, 424, 444, 471, 475

Group III. Select any combination of three courses from Groups I and II 9

AMS 403 (senior year requirement) 3

Total 30

Requirements for a Minor in American Studies

Students minoring in American Studies must complete eighteen (18) hours including one of the following courses: AMS 304, 403, or 404.

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DEPARTMENT OF ANTHROPOLOGY AND SOCIOLOGY

James G. Flanagan, Chair
Hattiesburg, MS 39406-5074
(601) 266-4306
Danforth, Faust, Glamser, H.E. Jackson, B.D. Roberts, B.T. Smith, R. Turner, A.L. Young

The Department of Anthropology and Sociology offers a major in anthropology and minors in anthropology and sociology. As the societies of the world become increasingly interdependent and as our own society continues to confront the problems of pluralism and rapid social change, success in many fields (including international development, business, government, and education) will depend on the individual's understanding of, and ability to adapt to, varied circumstances and human cultural diversity. The programs in the Department of Anthropology and Sociology equip the student with the tools necessary for such an understanding.

REQUIREMENTS FOR A MAJOR IN ANTHROPOLOGY

The multifaceted nature of anthropology, which integrates into a single discipline the social sciences, the natural sciences, and humanistic studies, uniquely combines skills and insights that will prove essential in many contemporary settings. Students will complete courses in cultural anthropology, archaeology, physical anthropology, and anthropological linguistics. Students majoring in anthropology must complete all general education requirements of the College of Liberal Arts, 33 hours in anthropology (including ANT 221, 231, 241, 351, and 421) and have a minor in another discipline. The student's adviser will discuss the choice of a minor that best complements the student's interests and career goals and aspirations.

Requirements for a Minor in Anthropology

The minor in anthropology allows students of another discipline to achieve a fundamental understanding of anthropology. Faculty members will assist students to select courses that best complement their major interests. Students will complete a minimum of 18 hours in anthropology, including ANT 221, 231, and 241.

Requirements for a Minor in Sociology

The minor in sociology is designed to equip the student of another discipline with an understanding of the fundamentals of the discipline of sociology. Faculty members will assist students to select courses that best complement their major interests. Students will complete a minimum of 18 hours in sociology, including SOC 101.

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DEPARTMENT OF CRIMINAL JUSTICE

Tyler H. Fletcher, Chair
Hattiesburg, MS 39406-5127
(601) 266-4509
Byxbe, Cabana, Devine, Funchess, LeFlore, Marx, Moak, M.C. Smith, W.B. Taylor

The Department of Criminal Justice offers an interdisciplinary major leading to a Bachelor of Arts degree and a minor. A special emphasis area in Juvenile Justice is also available.

Requirements for the major area are a minimum of thirty-nine (39) hours of course work in Criminal Justice (CJ 200, 325, 330, 341, 352, 360, 420, 430), but not including the optional field practicum (CJ 400). The student must also pursue either an academic minor or two interdisciplinary blocks of 9 hours each (not to include 100 level courses overlapping with the core); these interdisciplinary blocks may be flexibly structured to strengthen the student's understanding of and interest in the humanities, behavioral sciences, or professional areas such as accounting, computer science, forensic science, and management. The Juvenile Justice emphasis must include a minor in psychology or social work.

The flexible and interdisciplinary nature of the Criminal Justice curriculum provides an ideal educational base for those seeking careers in which special skills are needed. The careful selection of a minor also enhances this feature of the curriculum. Minors in paralegal studies, English, philosophy, or political science provide excellent preparation for law school, while minors in Spanish, accounting, and computer science have proven to be skills in high demand in state and federal investigative services. Wildlife conservation officers and environmental protection agencies have extensively employed criminal justice majors with biology minors. The department endeavors through individual counseling to identify a student's goals and potential, and to provide the best education possible to meet those aspirations.

Requirements for a Minor in Criminal Justice

All students pursuing a minor in Criminal Justice must complete a minimum of eighteen (18) hours of courses in Criminal Justice including CJ 200 but not including the field practicum.

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PROGRAM IN ECONOMICS

Ronald J. Swager, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The College of Liberal Arts, in cooperation with the College of Business Administration, offers the Bachelor of Arts degree in Economics. Students pursuing the degree will take a minimum of thirty and one half (30.5) hours in Economics which must include ECO 201, 202, 305, 336, 340,

345; and BA 301, 303. A minor of at least eighteen (18) hours in another discipline is recommended and will be selected by the student in consultation with his or her adviser. Recommended minors include mathematics and various social science and humanities disciplines in Liberal Arts. Students are encouraged to include in their programs PHI 356, PS 375 and 474, and GHY 350.

Requirements for a Minor in Economics

Non-business students minoring in Economics must complete twenty-one (21) hours as follows: ACC 200; ECO 201, 202; and twelve (12) hours from BA 200 (strongly recommended); BA 301, 303; ECO 305, 330, 336, 340, 345, 346, 440, 450, 470; MGT 304.

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DEPARTMENT OF ENGLISH

Jeanette Harris, Chair
Hattiesburg, MS 39406-5037
(601) 266-4319

J. Abbenyi, W.H. Anderson, E. Ashton-Jones, A. Ball, J. Barron, F. Barthelme, S. Barthelme, D. Berry, B. Boyd, S. Bunch, J. Ezell, K. Harris, S. Hauer, K. Herzinger, J. Jones, P. Kolin, J. Lares, J. Lewis, M. Mays, H. McCraw, N. Polk, T. Prendergast, T. Richardson, M. Robinson, M. Ryan, M. Salda, M. Sciolino, R. Stamper, G. Stringer, M. Villeponteaux, A. Wallace, K. Watson, W. Watson, E. Weinauer, D. Wheeler

The Department of English prepares undergraduate majors for careers in teaching, law, business, and other fields that require communication skills. The department offers a B.A. with or without secondary teaching certification. In addition to programs in English education and literature, the department sponsors a program in Creative Writing. Information on the M.A. and Ph.D. programs can be found in the Graduate Bulletin.

REQUIREMENTS FOR A MAJOR IN ENGLISH

The undergraduate major in English consists of thirty-six (36) hours of English beyond the freshman level. At least 21 hours must be taken at the 300 or 400 levels, with at least 9 hours of these at the 400 level. Majors must include, among their courses, Analysis of Literature (ENG 340) plus one course from each of the following categories:

(1) English or World Literature before 1700

(2) English or World Literature after 1700

(3) American Literature

For teacher certification, students must take the following: the required courses listed above for all undergraduate majors; Contemporary World Literature (ENG 311); Advanced Grammar (ENG 401); History of the English Language (ENG 406); Adolescent Literature (ENG 418); Shakespeare (ENG 454 or 455); Reading/Writing Theory (ENG 490); Methods of Teaching English—Secondary (ENG 491); Student Teaching (ENG 494 and 495); and twelve (12) hours in one of the following related areas: a single foreign language (normally met with the B.A. core curriculum), reading, journalism, or speech communication.

In addition, required teacher education courses include the following fifteen (15) hours: PSY 374/L, REF 400, REF 469, SPE 400, CIS 313. Students must consult an adviser in the Department of English and the current Bulletin for prerequisites and proper sequences of courses.

Students who complete this program are eligible for NCATE certification in English.

Requirements for a Minor in English

An undergraduate minor in English requires a total of eighteen (18) hours beyond ENG 101 and 102, including at least nine (9) hours at the junior or senior level.

The Center for Writers

Hattiesburg, MS 39406-5144
(601) 266-4321

The Center for Writers, functioning under the aegis of the Department of English, offers interested undergraduates the opportunity to specialize in poetry or fiction within the context of the basic English B.A. degree. A cohesive sequence of workshop courses of increasing difficulty encourages student writers to locate and focus their talents and to observe and participate in the process of creative writing. A companion group of theory and literature courses places emphasis on contemporary and current writings, literary theory, and criticism in English and in translation. The Center sponsors two publications: Mississippi Review, a national journal of fiction, poetry, and criticism; and Product, a student publication geared to publish and circulate within the University community the very best student writing.

The Writing Room

304 College Hall
Hattiesburg, MS 39406-5037
(601) 266-4821

The Writing Room offers free tutorial assistance to USM students, faculty, and staff involved in writing projects. Tutors, who are faculty and graduate students trained in composition, work one-on-one with writers in a comfortable environment designed both for writing and talking about writing. Support is available in all areas of writing, ranging from topic exploration to development to preparation of final copy. Services are available on a drop-in or appointment basis, and writers may choose to visit once or to establish a long-term program of development. Instructors may also refer students to the Writing Room.

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DEPARTMENT OF FOREIGN LANGUAGES AND LITERATURES

Rafael Sánchez-Alonso, Chair
Hattiesburg, MS 39406-5038
(601) 266-4964

E. Anglin, K. Austin, L. Broome, A. Cheng, M. Clark, B. Dease, R. Esparragoza, G. Fontecchio, G. Mitchell, W. Odom, W. Powell, S. Slick

The Department of Foreign Languages and Literatures offers a flexible program leading to the Bachelor of Arts degree either with or without teaching certification. It also offers an academic minor. The program aims to provide the students with sufficient language skills and cultural insights to give them sound foundations for a wide range of careers. It is designed to meet the following objectives:

(1) prepare students (in combination with other disciplines) for industrial, commercial, and government employment in which knowledge of a foreign language and culture is a distinct advantage;

(2) prepare students to teach foreign languages in secondary schools;

(3) prepare students for graduate study in foreign languages and literatures and related fields;

(4) provide supportive courses for other programs in the university.

The department offers curricula from the beginning through the advanced levels in French and Spanish. The department also offers German, Latin, Russian, Italian, and Japanese through at least the intermediate levels. Not all of these languages will be taught every year; students should consult the Schedule Guide for a list of annual course offerings in this department.

Students have access to the Foreign Language Laboratory in the Teaching Learning Resource Center and may be required to attend laboratory sessions in addition to regular classroom meetings. Students also have access to live television transmissions from Mexico City and Quebec by means of the department's television satellite reception.

In cooperation with other departments at this university, the Department of Foreign Languages

and Literatures has established a number of formal and informal programs for students who wish to prepare for careers in which a knowledge of a foreign language and culture is either essential or desirable. For assistance in devising a suitable curriculum, students should consult as soon as possible with a foreign language adviser.

Summer Study Abroad

Under the auspices of USM's Center for International Education, the department offers active and very popular summer study abroad programs.

CLEP Examinations in Foreign Languages

Students with previous language study or background may earn up to a total of 12 hours of college credit in Spanish, French, or German by taking a CLEP examination.

Students may take the CLEP examination at any time during their course of study. For complete details regarding how to take the CLEP examination in foreign languages and its benefits, consult the Chair of the Department of Foreign Languages and Literatures.

REQUIREMENTS FOR A MAJOR IN FOREIGN LANGUAGES

The Department of Foreign Languages offers three options for a B.A.: (1) Foreign Languages: Spanish concentration; (2) Foreign Languages: French concentration; (3) Foreign Languages. Each option requires a minimum of thirty (30) semester hours (above the 100 level) in foreign languages and literatures. At least eighteen (18) hours must be earned in upper-level foreign language courses. Students must complete at least one 300-level course before enrolling at the 400 level.

Option One: Spanish Concentration

I. A minimum of six (6) hours in literature and culture courses to be chosen from:

SPA 341 ..... Introduction to Spanish Literature
SPA 435 ..... Spanish Culture and Civilization
SPA 436 ..... Latin American Culture and Civilization
SPA 442 ..... Survey of Spanish Literature
SPA 445 ..... Topics in Spanish Literature
SPA 446 ..... Don Quijote
SPA 452 ..... Topics in Latin American Literature

II. A minimum of six (6) hours in Spanish language-focussed courses to be chosen from:

SPA 305 ..... Spanish Reading and Composition
SPA 313 ..... Grammar Review
SPA 321 ..... Intermediate Conversation
SPA 405 ..... Phonetics
SPA 406 ..... Advanced Composition and Grammar
SPA 411 ..... Spanish Subjunctive
SPA 421 ..... Advanced Conversation
SPA 491 ..... Advanced Studies in Spanish Language

III. The remaining courses for the major may be selected from:

A. Any of the above.
B. A maximum of six (6) hours from:
   SPA 201 ..... Intermediate Spanish I
   SPA 202 ..... Intermediate Spanish II
   SPA 281 ..... Intermediate Credit for Study Abroad
C. A maximum of six (6) hours from:
   SPA 381 ..... Study Abroad
   SPA 481 ..... Study Abroad
D. A maximum of six (6) hours from:
   SPA 492 ..... Special Problems (subject to approval by adviser and chair)
E. FL 461 ..... Methods of Teaching Foreign Languages

Option Two: French Concentration

Courses for the emphasis may be selected from:

FRE 201 ..... Intermediate French I
FRE 202 ..... Intermediate French II
FRE 305 ..... French Grammar Review
FRE 341 ..... Introduction to Literature
FRE 405 ..... French Phonology

FRE 406 ..... Advanced Composition
FRE 411 ..... Advanced Conversation
FRE 431 ..... French Film
FRE 435 ..... Modern France
FRE 436 ..... Francophone Civilization and Culture
FRE 442 ..... Survey of French Literature
FRE 445 ..... Topics in French Literature
FRE 447 ..... The Negritude Literary Movement
FL 461 ..... Methods of Teaching Foreign Languages
FRE 491 ..... Advanced Studies in the French Language
FRE 492 ..... Special Problems (A maximum of six hours, subject to approval by adviser and chair)

Additional courses which may be applied to the major include a maximum of six (6) hours from:
FRE 281 ..... Intermediate Credit for Study Abroad
FRE 381 ..... Study Abroad
FRE 481 ..... Study Abroad

Option Three: Foreign Languages

This option requires the completion of thirty (30) hours at the 200-level or above including eighteen (18) hours in courses at the 300 and 400 level. Of these eighteen hours, at least twelve (12) must be in a single language.

Note 1: Courses in any language taught in the department may be counted toward this option.

Note 2: For students participating in USM study-abroad programs in Germany and/or Austria, all hours for this option may be earned in German.

Requirements for a Major in Foreign Languages With Teacher Certification

A student seeking teacher certification in either French or Spanish should choose the appropriate concentration. A student seeking teacher certification in German should choose option 3, with a minimum of 27 hours of German at the 200 level and above. All students seeking teacher certification in foreign languages should include FL 461 in their programs. In addition, the student should fulfill the requirements of the Teacher Education Program at USM, as explained on the PACE Degree Plan.

Requirements for Minor in Foreign Languages

An undergraduate minor in Foreign Languages requires a total of eighteen (18) hours in one of the following languages: French, German, Spanish, or Latin. A minor in Classics consisting of twenty-one (21) hours is also available.

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GENERAL STUDIES PROGRAM

Kara L. Craig, Director of Academic Support Services
Hattiesburg, MS 39406-5112
(601) 266-5003
D. Ford, M. Lochhead, J. Sadler

The General Studies program provides an organized plan of advisement for students undecided in their academic majors. Ordinarily such students will be expected to pursue the academic standards and requirements of the general curriculum of the College of Liberal Arts, preparing for a major in that college. Students who have determined an interest in a field of study outside of the College of Liberal Arts (though they have not yet decided on the exact major) should enroll as undeclared majors within the college of that field. However, since much of the University's General Education Curriculum is housed in the College of Liberal Arts, the General Studies program is the appropriate place for students who wish to sample university life and various fields of study before declaring a definite major. Students may, if they wish, pursue the General Education Curriculum of the university, not the more specific collegiate document.

Advisement in the General Studies program is coordinated by the program director; but in so far as possible, each student will be assigned to an individual faculty member for personal advising and career guidance.

Ordinarily the General Studies program enrolls only freshmen, though transfer students may be admitted with the consent of the director. As with all of the programs in the College of Liberal Arts, transfer to General Studies requires at least a 2.0 GPA. Students may remain in the General Studies program only through sophomore status; usually the program does not accept juniors.

The General Studies program also administers the academic course GS 101, offering two hours' academic credit. This course provides a valuable introduction to the university experience, covering such topics as study skills, taking notes and tests, time management, campus resources, and university policies and procedures. GS 101 is open to all new students throughout the university.

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DEPARTMENT OF GEOGRAPHY AND AREA DEVELOPMENT

Jesse O. McKee, Chair
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Culp, Elbert, Hudson, Lecce, Miller, Swager, Wales, D. Williams

Career opportunities in city and community planning, human resources analysis, climatology, water resource management, cartography, computer mapping, geographic information systems, remote sensing, and teaching are available through several professional degree programs. An emphasis area in Geographic Information Technology is also available, requirements for which are listed in a separate section of the Bulletin. The department's undergraduate programs also provide preparatory work for professional positions in economic and industrial development where a master's degree may be required. Consult the Graduate Bulletin for information on graduate programs in both economic development and geography.

Undergraduate courses in geography may be categorized as follows: regional (400 through 408 sequence), techniques (210, 310, and 410 through 417), and topical (remaining courses numbered above 300). Planning courses are prefixed with a PLG and described under the heading Planning in the Course Description section of this Bulletin.

Students entering the Department of Geography and Area Development will major in one of two degree-granting programs offered through the department. These include:

1. Bachelor of Arts in Geography
2. Bachelor of Arts in Community and Regional Planning

REQUIREMENTS FOR A MAJOR IN GEOGRAPHY

A student majoring in geography will work toward the Bachelor of Arts degree. The student, working closely with an adviser, will tailor the course work to fit his or her career goal. All students pursuing a major in geography must complete the following requirements, which include a minimum of thirty-six (36) hours in the department and a minor:

	Hours
General Core for the College of Liberal Arts (including GHY 101 and 102)	70
Professional Requirements:	
GHY 331 and 350 or 362	6
GHY 325/L and 326 or 327	6-7
GHY 210 or 310/L, and one 300/400-level GHY techniques course	6-8
Electives in GHY (may include 101 and 102)	18-20
Minor Requirements	18
Electives	4
	Total: 128

Teacher Certification

Students seeking teacher certification in geography should do so through the Department of History, which offers a certification program in social studies. Such students may wish to pursue a double major in history and geography.

Requirements for an Emphasis in Geographic Information Technology

This is an emphasis area within the BA degree program and prepares students for professional employment or graduate study in fields applying computerized methods of geographic data analysis. Majors emphasizing cartography, remotely sensed image interpretation, and Geographic Information Systems (GIS) will meet Federal Civil Service Commission qualification standards under the job title Cartographer. These same standards also qualify graduates for entry into the job market wherever geographic information is being used in the public or private sector.

	Hours
General Core for the College of Liberal Arts	70
Geography Core:	
GHY 210, 325/L, 326 or 327, 331, 350 or 362	15-16
Emphasis Area Requirements:	
GHY 310/L, 410/L, 411/L, 412/L, 416/L, 417/L, 418/L, 415 or BA 301, CSS 240 or 330	30
Minor or Related Electives (chosen with consent of student's academic adviser)	13-18
	Total: 128

Requirements for a Minor in Geography

Students minoring in geography must complete eighteen (18) hours including GHY 101 or 102. Six (6) hours should be taken from two of the following three groups of courses: regional (400 through 409), techniques (210 or 310/310L, plus 410 through 417), or topical (remaining courses numbered 300 and above). The remaining nine (9) hours can be chosen from courses numbered 300 and above.

THE COMMUNITY AND REGIONAL PLANNING PROGRAM

Rhonda Phillips Culp, Director
Hattiesburg, MS 39406-5051
(601) 266-4729

The general objectives of the Community and Regional Planning program are to provide:

(1) A sound liberal arts education;

(2) A basic core of practical training and course work in community planning;

(3) A generalized interdisciplinary core of related training, primarily in behavioral and scientific knowledge, and in technical skills;

(4) Preparation for advanced studies in a variety of graduate and professional schools;

(5) A general but systematic background for students who intend to assume positions in planning and related professions without further formal study.

The program undergoes periodic review and revision. In this manner, the Community and Regional Planning program remains responsive to the relevant changes occurring in the field and is able to offer the best possible education and training to its students.

REQUIREMENTS FOR A MAJOR IN COMMUNITY AND REGIONAL PLANNING

A student majoring in Community and Regional Planning will work toward a Bachelor of Arts Degree. The student will work closely with an adviser to tailor a program to meet his or her career goals. All students pursuing a major in Community and Regional Planning must complete the following requirements:

	Hours
General Core for the College of Liberal Arts	70
Planning Core:	
PLG 360, 450; PLG 461 or GHY 440; PLG 463, 464, 465, 466, 469, 491	27
GHY 210 or 310/L; 411/L or 416/L or 417/L; 325/L; 331 or 341; 415	16
Electives (chosen with the consent of the student's academic adviser)	15
	Total: 128

Requirements for a Minor in Community and Regional Planning

The student minoring in Community and Regional Planning must take eighteen (18) hours which must include PLG 360 and 465.

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DEPARTMENT OF HISTORY

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(601) 266-4333

Bahm, Barnett, Bolton, Bond, Bowers, K. Edwards, Farrell, Feldman, Guice, Harper, Jensen, McCarty, McMillen, Mackaman, Scarborough, Sensbach, Smith, Sun, M. Wheeler, Wiest

The Department of History participates in programs leading to the degrees of the Bachelor of Arts, the Master of Arts, the Master of Science, and the Doctor of Philosophy. For the master's and doctoral degrees, please consult the Graduate Bulletin.

Mission

The study of history is intended to promote a responsible and informed citizenship, a heightened understanding of the human experience, and an appreciation of the achievements and variety of humankind. It also promotes career training. Indeed, the study of history is perhaps as valuable for the skills it helps to develop as for the information it imparts. History is an exacting discipline that fosters intellectual curiosity, analytical thought, research skills, ability to collect and analyze large amounts of data, clarity of expression, and disciplined work habits—qualities that are central to careers in academic, professional, public, business, and service areas.

Career Opportunities

Departmental surveys of graduates indicate that history majors have built careers in a variety of professional areas. Many are teachers at high schools, community colleges, colleges and universities. Many others are lawyers, stock brokers, bankers, military officers, public servants, directors of libraries, archivists, and even medical doctors. History majors can enter all these professions because their academic discipline fosters the writing, thinking, research, and analytical skills that make them marketable in a variety of professions.

REQUIREMENTS FOR A MAJOR IN HISTORY

Students majoring in history must receive at least a grade of C in each history course. They must take thirty-six (36) hours which must include HIS 101, 102, 140, 141, and 345. Of the twenty-one (21) remaining hours required for the major, no more than twelve (12) hours of advanced course work can be selected from any one of the three following course areas: (1) United States History, (2) European History, (3) Other (Latin American, Far East, and other non-United States, non-European courses). Students who have satisfied the thirty-six (36) hour major requirement may take additional advanced courses in history in any area they prefer.

Students must also register for Library Science 301, a one-hour course taken in conjunction with HIS 345. Its purpose is to acquaint students with library use and with the large variety of computer and non-computer research tools.

History majors with exceptional academic records may be awarded degrees with honors or highest honors. See the General Information section of this bulletin for full requirements.

Teacher Certification

History majors working toward a baccalaureate teaching degree with secondary certification in social studies must include in their program (1) the education courses required for the Class A teaching certificate (education will normally be the minor for a history major seeking a teacher's license); and (2) the following social studies courses either as core or electives: economics (6 hours), political science (6 hours), geography (6 hours), sociology/anthropology (3 hours), Mississippi history (3 hours); and (3) a special history curriculum, different from that of regular history majors intended to meet teachers' classroom needs.

Requirements for a Minor in History

The student minoring in history must take twenty-one (21) hours in history which must include HIS 101, 102.

Requirements for a Minor in History and Music History

The History department also offers a minor combining history and music history. It is ideally suited for music and music education majors, and for anyone interested in exploring the relationship between history and the arts. For more information on this minor contact the chair of the History Department or the Director of the School of Music.

Students minoring in History and Music History must complete twenty-four (24) hours in the following courses: MUS 231, 232; HIS 140 or 141, 401, 407, 413, 424; and a music history elective (chosen from MUS 332, 360, 431 - 437, 450, 471). In lieu of MUS 231, 232, students may take courses in Opera, American Music, Symphonic Literature, Baroque, Classic, Romantic, Twentieth Century, Jazz History, Masterpieces of Music.

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HUMANITIES PROGRAM

Antonio Rodriguez-Buckingham, Director
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The interdisciplinary program in humanities centers on a combination of Humanities and elective courses chosen from various disciplines within the College of Liberal Arts. The program helps students write and think by concentrating on important texts for reading, study, and discussion. Students may attain an academic minor and, with the successful completion of the Proseminar (HUM 495), a certificate of humanities study.

Requirements for Minor in Humanities

The minor in Humanities requires eighteen (18) hours—nine (9) hours from the Humanities (HUM) courses and (9) hours from the following list of Humanities electives, with no more than two courses (6 hours) from any one discipline: ANT 315, 335, 411, 421; ENG 319, 440, 451, 454, 455, 459, 463, 466, 468, 469, 473, 478 FL 431; FRE 445, 446; GER 445, 446; GRK 445; LAT 445; SPA 446, 454; GHY 210; HIS 310, 317, 408, 413, 422, 423, 424, 433, 436, 444; PHI 316, 353, 406, 410; PS 420, 42.

INTERNATIONAL STUDIES PROGRAM

Kenneth G. McCarty, Director
Hattiesburg, MS 39406-5047
(601) 266-5170
Youli Sun, Associate Director
Hattiesburg, MS 39406-5047
(601) 266-4333

The College of Liberal Arts offers a multidisciplinary major leading to a Bachelor of Arts degree in International Studies. The aim of the major is to provide students with the background necessary for careers with an international dimension in government, commerce, the media, international organizations, research, and teaching.

The forty-eight credit hours of this program satisfy the requirements for both an academic major and minor. Three required courses begin the program: GHY 341 (World Political Geography), HIS 446 (U.S. Foreign Relations), and PS 331 (Introduction to International Politics). Then follow eighteen hours in International Affairs. (Some of the course options in this requirement overlap with Category III of the collegiate general curriculum.) Another block of eighteen hours concentrates in a geographical area (Europe, Asia, or Latin America). A senior seminar (normally IS 491)completes the program. International studies majors are strongly encouraged to include a study abroad component and an internship in their program.

A minor requires the completion of eighteen (18) hours in International Studies, including the four (4) required courses and two courses in International Affairs.

Courses approved for International Affairs

ANT 221 ..... Cultural Anthropology
ANT 420 ..... Culture and Ethnicity
ANT 423 ..... Economic Anthropology
ANT 428 ..... Political Anthropology
ECO 435 ..... International Trade Theory
ECO 470 ..... Comparative Economic Systems
GHY 350 ..... Introduction to Economic Geography
GHY 440 ..... Population and Human Resources
HIS 318 ..... War and Science
HIS 345 ..... Introduction to Historical Methodology
HIS 423 ..... Science and Society
HIS 431 ..... History of Socialism
HIS 434 ..... History of Nationalism
HIS 458 ..... Our Times
IS 490 ..... Internship in International Studies
IS 492 ..... Special Problems
PS 320 ..... Introduction to Political Theory
PS 330 ..... U.S. Foreign Policy
PS 351 ..... Introduction to Comparative Government
PS 421 ..... Political Theory, Locke to Present
PS 432 ..... Foreign Policy of the Major Powers
PS 435 ..... Comparative Foreign Policy
PS 485 ..... International Law

Courses approved for Area Studies

Asia

ANT 314 ..... Peoples and Cultures of Asia
ANT 318 ..... Peoples and Cultures of the Pacific
GHY 407 ..... Geography of East and South Asia
GHY 408 ..... Geography of Southwest Asia
HIS 305 ..... Survey of the Far East
HIS 403 ..... Modern China
HIS 405 ..... Modern Japan
HIS 428 ..... U.S. Relations with East Asia
HIS 455 ..... Vietnam War
IS 492 ..... Special Problems
IS 498 ..... Asian Studies
PHI 352 ..... Oriental Philosophy

Europe

ANT 312 ..... Peoples and Cultures of Europe
FRE 435 ..... Modern France
GER 435 ..... Modern Germany
GHY 404 ..... Geography of Europe
GHY 405 ..... Geography of Russia
HIS 320 ..... Modern Russia and the Soviet Union
HIS 406 ..... History of the German Lands
HIS 416 ..... Europe 1815-1870
HIS 417 ..... Europe 1870-1914
HIS 418 ..... Europe 1914-1939
HIS 419 ..... Europe Since 1945
HIS 429 ..... Eastern Europe in the Twentieth Century
HIS 433 ..... Age of the Enlightenment
HIS 434 ..... History of Nationalism
HIS 437 ..... World War I
HIS 438 ..... World War II
IS 492 ..... Special Problems
IS 497 ..... European Studies
PS 450 ..... Comparative Studies in European Politics
PS 451 ..... Governments of Eastern Europe
PS 452 ..... The Political Systems of Great Britain and the Commonwealth

Latin America and the Caribbean

ANT 315 ..... American Indians
ANT 317 ..... Peoples and Cultures of Mesoamerica
ECO 413 ..... The Economy of Latin America

GHY 402 ..... Geography of Middle America and the Caribbean
GHY 403 ..... Geography of South America
HIS 383 ..... Survey of Latin American History
HIS 480 ..... History of Mexico and the Caribbean
HIS 483 ..... Studies in South American History
IS 492 ..... Special Problems
IS 496 ..... Latin American Studies
PS 431 ..... International Law and Organization
PS 456 ..... Latin American Government and Politics
PS 458 ..... Latin American Political and Economic Development
SPA 452 ..... Survey of Latin American Literature
SPA 454 ..... Contemporary Latin American Literature

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DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

LTC James T. Daly, Chair
Hattiesburg, MS 39406-5042
(601) 266-4456
Bunner, Gallant, Little, Rey, Butts, Lee

Mission

The mission of the Army ROTC Program is to provide instruction to college students preparing them for future leadership positions, both civilian and military, and to commission Second Lieutenants for the United States Army, Army National Guard, and Army Reserve.

Program of Instruction

The ROTC program of instruction is divided into two courses, the Basic Course and the Advanced Course. The full program encompasses four years.

The Basic Course consists of two years of instruction and is one method of entry into the Advanced Course. The Basic Course is introductory in nature and no military obligation is incurred.

The Advanced Course is designed to prepare selected cadets for commissioning in the United States Army. All academic majors are accepted, and the University has waived the requirement for a minor for those students completing the ROTC program. Successful completion of a six-week advanced summer camp and recommendation by the Professor of Military Science are required for commissioning. The Advanced Course student is paid a $150.00 per month tax free subsistence allowance during both academic years of the Advanced Course. Regular Army and Reserve Commissions are earned. A recipient of a Reserve Commission may opt for a short period of active duty and then join a Reserve or National Guard unit.

Basic Course students participate in a leadership practicum. This includes practical training exercises on the USM campus and the Camp Shelby training site.

Advanced Course students will be required to attend a weekly leadership laboratory and participate each semester in practical training exercises.

All Advanced Course cadets are required to complete five Professional Military Education Courses before graduation. There will be one course completed from each of the following areas: Written Communication, Math Reasoning, Computer Literacy, Human Behavior, and Military History. Cadets must coordinate with their MS III or IV Instructor/Advisers prior to scheduling these Professional Military Education Courses.

Two-Year Program

A two-year program leading to a commission is available to the following categories of students:

(1) A veteran whose military record is evaluated by the Professor of Military Science and determined to have the necessary background for acceptance into the Advanced Course.

(2) Students who did not take the Basic Course during the freshman and sophomore years. These students must successfully complete a six-week Basic Summer Camp prior to applying for the Advanced Course.

Extracurricular and Enrichment Activities

ROTC cadets have the opportunity to participate in several professional organizations within the Corps of Cadets. These include the Scabbard and Blade (honorary military society),Color Guard, the Ranger Company, and Ranger Challenge Team.

ROTC Scholarship Program

The Army ROTC Scholarship Program is designed to offer financial assistance to outstanding young men and women in the ROTC program who are interested in commissioned service in the Army. There are three types of scholarships: Four-Year, Three-Year, and Two-Year. Each scholarship provides tuition, textbooks, and laboratory fees in addition to paying a $150.00 subsistence allowance per month for the period that the scholarship is in effect.

Four-Year scholarships are available to high school seniors. Four-Year scholarship applications must be mailed prior to November 15 in the students' senior year of high school. Information and application packets for the Four-Year scholarship may be obtained from the high school counselor or by writing to:

USM Military Science Department
Scholarship Officer
Box 5042
Hattiesburg, MS 39406-5042

Students desiring to apply for the Two-Year or Three-Year scholarships should contact the Military Science Department Chair at the University. Applicants will be screened by a scholarship committee and selections will be forwarded to the Department of the Army for final selection.

SIMULTANEOUS MEMBERSHIP PROGRAM (SMP)

Qualified National Guard and Army Reserve members can enter the Advanced Course and remain in their units while combining and enhancing their pay and tuition benefits and earning their commission as a Second Lieutenant.

PARALEGAL STUDIES PROGRAM

Ronald G. Marquardt, Director
Gail Lucas, Assistant Director
Hattiesburg, MS 39406-5108
(601) 266-4310

The paralegal profession aids attorneys in delivering legal services more efficiently. Currently, private law firms, businesses, and government offices hire legal assistants.

All students majoring in Paralegal Studies must maintain a GPA of 2.5 after 30 hours of coursework, and any student transferring to the Paralegal Studies program must attain a GPA of 2.25 prior to transferring.

REQUIREMENTS FOR A MAJOR IN PARALEGAL STUDIES

The Paralegal Studies curriculum is interdisciplinary and includes the following requirements.

1. General Education Curriculum (70 hours) as outlined in the College of Liberal Arts preface.
2. PLS 381, 382, 383, 384, 386, 387, 388
3. ENG 332 or 333
4. CJ 330
5. Three of the following electives: ACC 200; BA 200; REI 340; CJ 430, 463; CSC 100; PS 380, 480, 481, 484, 489; PLS 389.
6. Eighteen (18) hours in a minor field.

Graduation with a degree in Paralegal Studies requires 128 hours, including at least 21 hours in courses numbered 300 and above in the major.

Students participating in PLS 389 (Internship in Paralegal Studies), an elective course, usually intern the summer between their junior and senior year.

Requirements for a Minor in Paralegal Studies

Students minoring in Paralegal Studies must complete PLS 381, 382, 383 and fifteen (15) hours selected from the following courses: BA 200; CJ 330, 430, 463; PLS 384, 386, 387, 388; PS 380, 481; and REI 340.

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DEPARTMENT OF PHILOSOPHY AND RELIGION

Forrest E. Wood, Jr., Chair
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Burr, DeArmey, Holley, Smithka, Sullivan

The mission of the Department of Philosophy and Religion is to teach students the art of critical thinking, to challenge them to think creatively, and to lead them to make a deliberate and rational attempt to understand both the whole and the parts of their experience for the purpose of obtaining wisdom for effective living. Accepting Socrates' belief, "The unexamined life is not worth living," we encourage students to discover and examine the basic philosophical and religious ideas of diverse cultures in order to gain illumination of personal and social values.

The department offers programs of study leading to the Bachelor of Arts with a major in philosophy, a minor in Philosophy and a minor in Religion. The major in philosophy requires thirty (30) hours of courses. This major offers both breadth and depth in philosophical training for students interested in pursuing graduate study in philosophy as well as for those majoring in philosophy as a pre-professional program in law, medicine, or other related fields. Although the department does not offer a major in religion, students can take a significant number of courses in religion to prepare them for graduate work in the academic study of religion or for pre- professional study for the ministry or religious education.

The minor in philosophy requires the completion of eighteen (18) hours in philosophy. The department recommends that the student take Introduction to Philosophy (PHI 151), Logic (PHI 253), and Ethics (356) as part of their eighteen (18) hours.

The minor in religion requires the completion of eighteen (18) hours in religion or philosophy courses closely related to religion. The department recommends that the student take Philosophy of Religion (PHI 372) and at least one course in the Eastern and one course in the Western religious traditions as part of their eighteen (18) hours.

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DEPARTMENT OF POLITICAL SCIENCE

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(601) 266-4310
C. Davis, K. Greene, Krystek, Layman, Lea, G. Lucas, J. Parker, B. Turner, Waltman, Wheat, J. Wolfe

The Department of Political Science offers a major and minor in Political Science and advising in Pre-Law Studies. Degrees include the Bachelor of Arts, Master of Arts, Master of Science, and Master of Science with an Emphasis in Public Administration. The master's degrees are described in the Graduate Bulletin. The Political Science major is designed to prepare students for careers in national, state, and local governments, teaching, and international service, and other fields.

Graduation with a major in Political Science requires 128 hrs. including the collegiate general education curriculum (70 hours; see College preface for these requirements), 33 hours in the major, and 18 hours in a minor field. In addition to PS 101 (American Government) and PS 220 (Introduction to Political Science), the Political Science major must take at least one course from five of the six fields of Political Science.

The Six Fields of Political Science

Political Theory: 320, 420, 421, 425.
American Government and Politics: 301, 302, 303, 401, 402, 404, 405, 406, 407, 408, 409.
International Relations: 330, 331, 431, 432, 435.
Comparative Government: 351, 450, 451, 452, 456, 457, 458.
Public Administration: 370, 375, 471, 472, 473, 474.
Public Law: 380, 480, 481, 484, 485, 488, 489.

Requirements for a Minor in Political Science

Students minoring in Political Science must complete PS 101, 220, and twelve (12) additional hours with at least one course from three of the six fields of political science.

Pre-Law Advisement

Kate Greene, Adviser
Hattiesburg, MS 39406-5108
(601) 266-4310

Students interested in attending law school should consult the pre-law adviser initially. By the beginning of their second year, students should officially declare a major and minor and then see their major adviser for academic advisement. During the third year, the student should meet with the pre-law adviser for information on the Law School Admissions Test (LSAT) and admissions information.

In addition to their major and minor courses, students interested in law school can supplement their program of study with the following courses as electives: ACC 200; ECO 201; ENG 300; ENG 332 or 333; PHI 253; PLS 383; PS 480 or 489; one course chosen from PS 380, BA 200, or CJ 330; and one course chosen from PS 301, 407, 481, or PHI 453. Students desiring to strengthen their writing skills should include additional composition courses as well.

In making admissions decisions, law schools give greatest consideration to a student's grade point average, LSAT score and writing sample, and academic letters of recommendation. Students are encouraged to major in a subject area in which they are interested and in which they can maintain a high grade point average.

PACE DEGREE PLAN

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DEPARTMENT OF SPEECH AND HEARING SCIENCES

Stephen E. Oshrin, Chair
Hattiesburg, MS 39406-5092
(601) 266-5216
Alexander, Berry, Bradley, Carlin, Cloud, Saniga, Schaub, Teller, Terrio

The Department of Speech and Hearing Sciences offers undergraduate curricula which provide both a broad, eclectic exposure to communication processes and disorders and a solid foundation for graduate studies in the field. The department provides an ideal blend of academic, clinical, and research activities for both undergraduate and graduate students.

Educational and Clinical Services

In addition to its academic programs, the Department of Speech and Hearing Sciences operates a number of clinical and public services: (1) The Speech-Language and Hearing Clinic provides students with an orientation to clinical procedures used in speech-language pathology and audiology; the clinic is accredited by the Professional Services Board of the American Speech-Language-Hearing Association and provides diagnostic services and therapy programs to students, faculty, and the community. (2) The Preschool Language Program provides an interdisciplinary approach to diagnosis and treatment of communicatively handicapped and developmentally delayed infants and preschool children. (3) The School for Children with Language Disorders provides speech- language and educational services for children with severe disorders of language.

REQUIREMENTS FOR A MAJOR IN EDUCATION OF THE DEAF

Specific course requirements for an undergraduate degree in Education of the Deaf are shown on the PACE Degree Plan. Students must adhere to all teacher education requirements, including an overall GPA of 2.50 on 44 hours of general core courses, an approved sequence of professional coursework, the successful completion of student teaching, and obtaining passing scores on the National Teacher Examination.

REQUIREMENTS FOR A MAJOR IN SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

The specific course requirements (shown on the PACE Degree Plan) are designed to provide a pre-professional foundation for continued coursework on the graduate level. Since professional certification and licensure require the master's degree, students should plan to apply for graduate study at the University of Southern Mississippi or another accredited graduate program following the completion of undergraduate study.

Requirements for a Minor in Education of the Deaf

All students pursuing a minor in Education of the Deaf must complete eighteen (18) hours. Courses required for the minor are SHS 423, 425, 429. Recommended courses are SHS 402, 421, 440.

Requirements for a Minor in Speech-Language Pathology and Audiology

All students pursuing a minor in Speech-Language Pathology and Audiology must complete eighteen (18) hours. Courses required for the minor are SHS 211, 221, 423. Recommended courses are SHS 401, 425, 431.

PACE DEGREE PLANS

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WOMEN'S STUDIES PROGRAM

Susan A. Siltanen, Director
Hattiesburg, MS 39406-5131
(601) 266-4271

The Women's Studies Program offers a minor leading to a Certificate in Women's Studies via a related series of interdisciplinary courses on issues and research concerning women. Its aim is to increase students' awareness, knowledge, and critical analysis of gender issues and differences.

Requirements for a Minor in Women's Studies

The minor in Women's Studies requires eighteen (18) hours. All students must complete Women's Studies 301: Introduction to Women's Studies, and five (5) other courses from at least three different disciplines:

ANT 429....Gender Across Cultures
CHS 490....Women's Health Issues
CJ 480....Women in the Criminal Justice System
DAN 462....Dance History II
ENG 468....British Women Writers
ENG 478....American Women Writers
FMA 335....Costume History
HIS 444....Women in American Society
HPR 403....Coaching the Female Athlete
PS 405....Women and Politics
RTF 448....Women in Electronic Media and Film
SCM 475....Gender Issues in Speech Communication
SOC 415....Sex Roles and Gender in Society
WS 450....Special Topics in Women's Studies
WS 490....Directed Research in Women's Studies

Other courses are being developed and maybe applicable to this program, e.g., Women and Psychology, Women and Philosophy, and Women in Journalism.

ADVERTISING
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (MIN OF 33 HRS)
- 01 RTF 330, RTF 425
- 02 JOU 231, JOU 330, JOU 333, JOU 421, JOU 431, JOU 433
- 03 SELECT 9-12 HRS FROM DEPTS OF JOU OR RTF

08. OTHER REQUIREMENTS (3HRS)
- 01 SELECT 1 COURSE FROM CSS 211, BA 301, PSY 360, SOC 460

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

COMMUNICATION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SCM 111

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (55 HRS)
- 01 JOU 202, JOU 231, (JOU 241, JOU 241L), JOU 421
- 02 SELECT 2 COURSES FROM JOU 203, JOU 301, JOU 311, JOU 405, JOU 425, JOU 450, JOU 452, JOU 460
- 03 RTF 101
- 04 RTF 140 OR RTF 171
- 05 SELECT 2 COURSES FROM EACH GROUP BELOW:
  Group 1: RTF 407, RTF 448, RTF 460, RTF 480, RTF 481
  Group 2: RTF 370/RTF 470, RTF 473, RTF 478, RTF 479
- 06 SCM 305, SCM 311, SCM 330
- 07 SELECT 1 COURSE FROM EACH GROUP BELOW:
  Group 1: SCM 312, SCM 350, SCM 405, SCM 430, SCM 450, SCM 490
  Group 2: SCM 303, SCM 315, SCM 415
  Group 3: SCM 403, SCM 410, SCM 420, SCM 440

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

NEWS-EDITORIAL
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (MIN OF 31 HRS)
- 01 JOU 202, JOU 203, (JOU 241, JOU 241L), JOU 303, JOU 311, JOU 312, JOU 402, JOU 450, JOU 460
- 02 SELECT 3-9 HRS FROM DEPT OF JOU

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

NEWS-EDITORIAL (PHOTOJOURNALISM CONCENTRATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (MIN OF 36 HRS)
- 01 JOU 202, JOU 203, (JOU 241, JOU 241L), (JOU 242, JOU 242L), JOU 311, JOU 312, (JOU 441, JOU 441L), JOU 450, JOU 460
- 02 SELECT 1 COURSE FROM JOU 301, JOU 303, JOU 452, JOU 455
- 03 SELECT 3 - 4 HRS FROM DEPTS OF JOU OR RTF

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

PUBLIC RELATIONS
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (MIN OF 31 HRS)
- 01 JOU 202, JOU 203, (JOU 241, JOU 241L), JOU 311, JOU 312, JOU 421, JOU 422, JOU 426, JOU 428
- 02 SELECT 3-9 HRS FROM DEPT OF JOU

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

BROADCAST JOURNALISM
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 JOU 202
- 02 RTF 101, RTF 111, RTF 140, RTF 302, RTF 304, RTF 305, RTF 360, RTF 402, RTF 407
- 03 SELECT 6 HRS FROM RTF 303/RTF 418, RTF 320, RTF 416, RTF 425, RTF 448, RTF 460, RTF 480, RTF 481, RTF 492, RTF 499

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

FILM

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 RTF 111, RTF 140, RTF 371, RTF 471, RTF 472, RTF 479, RTF 485
- 02 SELECT 15 HRS FROM RTF 303/RTF 418, RTF 370/RTF 470, RTF 373, RTF 440, RTF 473, RTF 475, RTF 476, RTF 477, RTF 478, RTF 492

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

RADIO-TELEVISION PRODUCTION

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 RTF 101, RTF 111, RTF 140, RTF 340, RTF 360, RTF 440, RTF 442, RTF 447, RTF 460
- 02 SELECT 9 HRS FROM RTF 303/RTF 418, RTF 320, RTF 330, RTF 407, RTF 416, RTF 425, RTF 431, RTF 448, RTF 479, RTF 480, RTF 481, RTF 492, RTF 499

09. MINOR (REQUIRED)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

SPEECH COMMUNICATION
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (39 HRS)
- 01 SCM 111
- 02 SCM 305, SCM 311, SCM 330
- 03 SELECT 27 HRS FROM DEPT OF SCM.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

SPEECH COMMUNICATION (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (39 HRS)
- 01 SCM 111
- 02 SCM 303, SCM 305, SCM 311, SCM 312, SCM 330, SCM 350, SCM 411, SCM 455
- 03 THE 111, THE 120, THE 200, THE 320

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 CIS 313
- 04 SCM 459
- 05 SCM 488 AND SCM 489

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 138 HRS IS REQUIRED FOR GRADUATION.

Minimum of 138 Hours in Program

LIBRARY AND INFORMATION SCIENCE

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (25 HRS)
- 01 LIS 401, LIS 405, LIS 411, LIS 416, LIS 489
- 02 SELECT 9 HRS FROM DEPT OF LIS

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

LIBRARY AND INFORMATION SCIENCE (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425,PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (27 HRS)
- 01 LIS 401, LIS 405, LIS 408, LIS 411, LIS 416, LIS 417, LIS 418
- 02 SELECT 6 HRS FROM DEPT OF LIS

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 LIS 491
- 04 LIS 425
- 05 LIS 494 AND LIS 495

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 129 HRS IS REQUIRED FOR GRADUATION.

Minimum of 129 Hours in Program

AMERICAN STUDIES
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30 HRS)
- 01 SELECT 9 HRS FROM COURSES ENG 370 - ENG 372, ENG 470 - ENG 473, ENG 477, ENG 478, ENG 485, ENG 489, HIS 340, HIS 342, HIS 344, HIS 401, HIS 440 - HIS 458, PS 301, PS 303, PS 330, PS 370 - PS 406, PS 408, PS 409, PS 425, PS 456, PS 458, PS 472, PS 473, PS 480, PS 481, PS 489. MAX OF 1 COURSE PER DEPT.
- 02 SELECT 9 HRS FROM COURSES AMS 304, AMS 404, ANT 315, ANT 333, ANT 433, BSC 400, BSC 403, BSC 406, CJ 200 - CJ 330, CJ 352, CJ 360, CJ 440, CJ 463, CJ 470, CJ 480, ECO 305, ECO 330, ESC 301, GHY 370, GHY 401, GHY 402, GHY 435, GHY 440, HPR 200, JOU 421, JOU 450 - JOU 460, MUS 332, MUS 366, MUS 432, PHI 440, PSY 450, PSY 456, RTF 370, RTF 448, RTF 460, RTF 478, SOC 240, SOC 301, SOC 310 - SOC 314, SOC 421, SOC 424, SOC 444, SOC 471, SOC 475. MAX OF 1 COURSE PER DEPT.
- 03 SELECT ANY 3 COURSES FROM BOTH GROUPS ABOVE
- 04 AMS 403

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

ANTHROPOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (33 HRS)
- 01 ANT 221
- 02 ANT 231, ANT 241, ANT 351, ANT 421
- 03 SELECT 18 HRS FROM DEPT OF ANT

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

CRIMINAL JUSTICE
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS IN A SINGLE FOREIGN LANGUAGE. SPA IS RECOMMENDED FOR CJ MAJORS. SPA 361 MAY BE SUBSTITUTED FOR SPA 202.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 CJ MAJORS MAY USE FSC 440 AS CORE SCIENCE ELECTIVE.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (45 HRS)
- 01 FSC 440
- 02 ENG 332 OR ENG 333
- 03 CJ 200, CJ 325, CJ 330, CJ 341, CJ 352, CJ 360, CJ 420, CJ 430
- 04 SELECT AT LEAST 5 COURSES FORM CJ 331, CJ 332, CJ 342, CJ 353, CJ 370, CJ 371, CJ 426, CJ 433, CJ 440 - CJ 451, CJ 464, CJ 470, CJ 471, CJ 480

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

JUVENILE JUSTICE
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS IN A SINGLE FOREIGN LANGUAGE. SPA IS RECOMMENDED FOR CJ MAJORS. SPA 361 MAY BE SUBSTITUTED FOR SPA 202.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 CJ MAJORS MAY USE FSC 440 AS CORE SCIENCE ELECTIVE.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425,PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (63 HRS)
- 01 FSC 440
- 02 ENG 332 OR ENG 333
- 03 CJ 200, CJ 325, CJ 330, CJ 341, CJ 352, CJ 420, CJ 430.
- 04 CJ 360, CJ 460, CJ 461, CJ 463.
- 05 SELECT AT LEAST 2 COURSES FROM CJ 331, CJ 342, CJ 353, CJ 370, CJ 371, CJ 426, CJ 433, CJ 450, CJ 451, CJ 464, CJ 470, CJ 471, CJ 480.
- 06 PSY 210, PSY 312, PSY 423, PSY 436
- 07 SELECT 6 HRS FROM DEPT OF PSY

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

ECONOMICS (LIBERAL ARTS)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30.5 HRS)
- 01 ECO 201
- 02 ECO 202, ECO 305, ECO 336, ECO 340, ECO 345
- 03 SELECT 1 COURSE FROM ECO 335, ECO 436, ECO 440, ECO 450, ECO 470
- 04 MAT 102, MIS 201, MIS 202 (PREREQUISITES FOR REQ 05)
- 05 BA 301, BA 303

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED TO COMPLETE 128 HRS REQUIRED FOR GRADUATION. RECOMMENDED ELECTIVES FOR ECO MAJORS INCLUDE PHI 356, PS 375, PS 474, GHY 350.

Minimum of 128 Hours in Program

ENGLISH
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371
- 03 ENG 340
- 04 SELECT 27 HRS FROM DEPT OF ENG. SEE YOUR BULLETIN FOR DISTRIBUTION REQUIREMENTS. AT LEAST 3 HRS MUST BE IN AMERICAN LIT, 3 HRS IN ENGLISH/WORLD LIT BEFORE 1700, AND 3 HRS AFTER 1700. AT LEAST 9 HRS MUST BE AT COURSE LEVEL 400.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

ENGLISH (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, (PSY 11), SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371
- 03 ENG 311, ENG 340, ENG 401, ENG 406, ENG 418, ENG 490
- 04 ENG 454 OR ENG 455
- 05 SELECT 9 HRS FROM DEPT OF ENG. 3 HRS MUST BE IN AMERICAN LIT, 3 HRS IN ENGLISH/WORLD LIT BEFORE 1700, AND 3 HRS AFTER 1700.

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 CIS 313
- 04 ENG 491
- 05 ENG 494 AND ENG 495

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 129 HRS IS REQUIRED FOR GRADUATION.

Minimum of 129 Hours in Program

FOREIGN LANGUAGES: FRENCH

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: COURSE LEVEL 101, 102.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHL 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30 HRS)
- 01 SELECT 30 HRS (COURSE LEVEL 200 OR 300 OR 400) FROM DEPTS OF FRE AND FL. SEE YOUR BULLETIN FOR DISTRIBUTION REQUIREMENTS AND RECOMMENDED COURSES.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

FOREIGN LANGUAGES: SPANISH

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: COURSE LEVEL 101, 102.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30 HRS)
- 01 SELECT 30 HRS (COURSE LEVEL 200 OR 300 OR 400) FROM DEPTS OF SPA AND FL. SEE YOUR BULLETIN FOR DISTRIBUTION REQUIREMENTS AND RECOMMENDED COURSES.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

FOREIGN LANGUAGES: TWO-LANGUAGE CONCENTRATION

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: COURSE LEVEL 101, 102.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30 HRS)
- 01 SELECT 30 HRS IN TWO FOREIGN LANGUAGES. SEE YOUR BULLETIN FOR DISTRIBUTION REQUIREMENTS.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

FOREIGN LANGUAGES (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: COURSE LEVEL 101, 102.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (27 HRS)
- 01 SELECT 27 HRS IN FRE OR SPA; MAY INCLUDE FL COURSES. SEE YOUR ADVISER FOR ASSISTANCE IN PLANNING YOUR PROGRAM.

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 CIS 313
- 04 FL 461
- 05 FL 494 AND FL 495

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 129 HRS IS REQUIRED FOR GRADUATION.

Minimum of 129 Hours in Program

GENERAL STUDIES: LIBERAL ARTS CURRICULUM

PACE Program Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

11. ELECTIVES
- 01 GS 101 (REQUIRED FOR ENTERING GS STUDENTS)

General Studies is not a degree program.

GENERAL STUDIES: UNIVERSITY CURRICULUM

PACE Program Plan

01. REASONING AND COMMUNICATION SKILLS (12-15 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330
- 04 CATEGORY I ELECTIVE: 0 - 3 HRS.

02. HUMANITIES AND FINE ARTS (12-15 HRS)
- 01 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 02 ENG 203
- 03 HIS 101 AND HIS 102
- 04 CATEGORY II ELECTIVE: 0 - 3 HRS.

03. SOCIAL AND BEHAVIORAL SCIENCES (6-9 HRS)
- 01 SELECT 6 HRS FROM COURSES ANT 101, ANT 221, ECO 200, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, PSY 375, SOC 101, SOC 240, SOC 314
- 02 CATEGORY III ELECTIVE: 0 - 3 HRS.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LABORATORY SCIENCES: 8 HRS.
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

11. ELECTIVES
- 01 GS 101 (REQUIRED FOR ENTERING GS STUDENTS)

General Studies is not a degree program.

GEOGRAPHY
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 GHY 331
- 02 (GHY 325, GHY 325L)
- 03 GHY 210 OR (GHY 310, GHY 310L)
- 04 GHY 350 OR GHY 362
- 05 GHY 326 OR GHY 327
- 06 SELECT 1 TECHNIQUES COURSE (GHY 310 OR GHY 410 - 417, WITH LAB WHERE REQUIRED)
- 07 SELECT 15-17 HRS FROM DEPT OF GHY

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

GEOGRAPHIC INFORMATION TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: MAT 103, 136, OR 167 RECOMMENDED FOR GEOGRAPHIC INFO. TECH. MAJORS.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (42 HRS)
- 01 GHY 331
- 02 GHY 210, (GHY 325, GHY 325L)
- 03 GHY 326 OR GHY 327
- 04 GHY 350 OR GHY 362
- 05 (GHY 310, GHY 310L), (GHY 410, GHY 410L) (GHY 4111, GHY 411L) ,(GHY 412, GHY 412L), (GHY 416, GHY 416L), (GHY 417, GHY 417L), (GHY 418, GHY 418L)
- 06 GHY 415 OR BA 301
- 07 CSS 240 OR CSS 330

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

COMMUNITY AND REGIONAL PLANNING

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (43 HRS)
- 01 GHY 331 OR GHY 341
- 02 GHY 210 OR (GHY 310, GHY 310L)
- 03 (GHY 325, GHY 325L), GHY 415
- 04 PLG 360, PLG 450, PLG 463, PLG 464, PLG 465, PLG 466, PLG 469, PLG 491
- 05 PLG 461 OR GHY 440
- 06 (GHY 411, GHY 411L) OR (GHY 416, GHY 416L) OR (GHY 417, GHY 417L)

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

HISTORY
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 HIS 101, HIS 102, HIS 140, HIS 141
- 02 HIS 345
- 03 SELECT 21 HRS FROM DEPT OF HIS. SEE YOUR BULLETIN FOR DISTRIBUTION REQUIREMENTS.

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

HISTORY (CERTIFICATION IN SOCIAL STUDIES)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (57 HRS)
- 01 HIS 101, HIS 102, HIS 140, HIS 141
- 02 ECO 201, ECO 202/ECO 305
- 03 GHY 101
- 04 PS 101, PS 301
- 05 SELECT 1 COURSE FROM COURSES ANT 101, ANT 221, SOC 101, SOC 240, SOC 314
- 06 SELECT 1 COURSE FROM GHY 331, GHY 341, GHY 350
- 07 HIS 305, HIS 341, HIS 345, HIS 383
- 08 SELECT 12 HRS FROM DEPT OF HIS. SHOULD BE IN U.S. OR EUROPEAN HISTORY.

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 CIS 313
- 04 HIS 488
- 05 HIS 490 AND HIS 491

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 135 HRS IS REQUIRED FOR GRADUATION.

Minimum of 135 Hours in Program

INTERNATIONAL STUDIES
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

07. MAJOR REQUIREMENTS (48 HRS)
- 01 GHY 341, PS 331, HIS 446
- 02 SELECT 6 COURSES FROM ANT 221, ANT 420, ANT 423, ANT 428, ECO 435, ECO 470, GHY 350, GHY 440, HIS 318, HIS 345, HIS 423, HIS 431, HIS 434, HIS 458, IS 490, IS 492, PS 320, PS 330, PS 351, PS 421, PS 432, PS 435, PS 485.
- 03 SELECT 6 COURSES FROM 1 GROUP BELOW:

Group A: (Asia) ANT 314, ANT 318, GHY 407, GHY 408, HIS 305, HIS 403, HIS 405, HIS 428, HIS 455, IS 492, IS 498, PHI 352

Group B: (Europe) ANT 312, FRE 435, GER 435, GHY 404, GHY 405, HIS 320, HIS 406, HIS 416, HIS 417, HIS 418, HIS 419, HIS 429, HIS 433, HIS 434, HIS 437, HIS 438, IS 492, IS 497, PS 450, PS 451, PS 452

Group C: (Lat. America) ANT 315, ANT 317, ECO 413, GHY 402, GHY 403, HIS 383, HIS 480, HIS 483, IS 492, IS 496, PS 431, PS 456, PS 458, SPA 452, SPA 454.

- 04 IS 491

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

PARALEGAL STUDIES
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (36 HRS)
- 01 PLS 381, PLS 382, PLS 383, PLS 384, PLS 386, PLS 387, PLS 388
- 02 CJ 330
- 03 ENG 332 OR ENG 333
- 04 SELECT 3 COURSES FROM COURSES ACC 200, BA 200, REI 340, CJ 430, CJ 463, CSC 100, PS 380, PS 480, PS 481, PS 484, PS 489, PLS 389

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

PHILOSOPHY
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (30 HRS)
- 01 PHI 151
- 02 PHI 253, PHI 356, PHI 410, PHI 412
- 03 SELECT 12 HRS FROM DEPT OF PHI
- 04 SELECT 3 HRS FROM DEPT OF REL

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

POLITICAL SCIENCE
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 12 HRS (NORMALLY 101, 102, 201, 202) IN A SINGLE FOREIGN LANGUAGE: FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA. AS FEW AS 6 HRS MAY SUFFICE DEPENDING ON PLACEMENT.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (33 HRS)
- 01 PS 101, PS 220
- 02 SELECT 1 COURSE FROM 5 OF THE 6 FIELDS OF POLITICAL SCIENCE:
  1. POLIT. THEORY: 320, 420, 421, 425
  2. AM. GOVT.: 301-303, 401, 402, 404-409
  3. INT. REL.: 330, 331, 431, 432, 435
  4. COMP. GOVT.: 351, 450-452, 456- 458
  5. PUB. ADM.: 370, 375, 471-474
  6. PUB. LAW: 380, 480, 481, 484, 485, 488, 489
- 03 SELECT 12 HRS FROM DEPT OF PS

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 128 HRS IS REQUIRED FOR GRADUATION.

Minimum of 128 Hours in Program

EDUCATION OF THE DEAF

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: 12 HRS IN ONE LANGUAGE. WITH ADVISER'S APPROVAL, SHS MAJORS MAY SUBSTITUTE 9 HRS. OF SIGN LANGUAGE.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (39 HRS)
- 01 SHS 423, SHS 429, SHS 440
- 02 SHS 201, SHS 221, SHS 310, SHS 312, SHS 401, SHS 402, SHS 421, SHS 425, SHS 430, SHS 436

10. TEACHING CERTIFICATION REQUIREMENTS (35 HRS)
- 01 PSY 110
- 02 PSY 374, REF 400, REF 469, SPE 400
- 03 SHS 422
- 04 SHS 433
- 05 SHS 495 AND SHS 496

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 132 HRS IS REQUIRED FOR GRADUATION.

Minimum of 132 Hours in Program

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101 AND ENG 102
- 02 MAT 101
- 03 SELECT 1 COURSE FROM SCM 111, SCM 305, SCM 320, SCM 330

02. HUMANITIES AND FINE ARTS (30 HRS)
- 01 ENG 203
- 02 SELECT 1 COURSE FROM AA 100, ART 130, DAN 107, MUS 365, THE 100
- 03 FOREIGN LANGUAGE: 12 HRS IN ONE LANGUAGE. WITH ADVISER'S APPROVAL, SHS MAJORS MAY SUBSTITUTE 9 HRS. OF SIGN LANGUAGE.
- 04 HIS 101 AND HIS 102
- 05 HUMANITIES: SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, RTF 170.
- 06 PHI 151 OR REL 131

03. SOCIAL AND BEHAVIORAL SCIENCES (12 HRS)
- 01 SELECT 12 HRS FROM COURSES ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314. MAX OF 3 HRS PER DEPT.

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 LAB SCIENCE: 8 HRS. RECOMMENDED COURSES INCLUDE (AST 111, AST 111L), (AST 112, AST 112L), (BSC 103, BSC 103L), (CHE 104, CHE 104L), (GLY 101, GLY 101L).
- 02 SCIENCE OR MATH ELECTIVE: 3 - 4 HRS. RECOMMENDED COURSES INCLUDE ANT 241, ESC 301, NFS 362, GHY 325. SCI/MATH ELECTIVE MUST NOT DUPLICATE CONTENT OF LAB SCIENCES.

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. HUMANITIES/SOCIAL SCIENCE ELECTIVE (3 HRS)
- 01 SELECT 1 COURSE FROM AMS 304, AMS 404, ENG 200, ENG 201, ENG 202, ENG 350, ENG 351, ENG 370, ENG 371, HIS 140, HIS 141, HUM 233, HUM 253, HUM 310, HUM 320, HUM 340, HUM 370, ANT 101, ANT 221, ECO 201, GHY 101, GHY 102, GHY 331, GHY 341, PS 101, PS 220, PS 331, PS 425, PSY 110, SOC 101, SOC 240, SOC 314, RTF 170

07. MAJOR REQUIREMENTS (67 HRS)
- 01 SHS 201, (SHS 202, SHS 202L), SHS 211, SHS 221, SHS 310, SHS 401, SHS 402, SHS 403, SHS 406, SHS 408, SHS 410, SHS 411, SHS 412, SHS 421, SHS 430, SHS 431, SHS 432
- 02 PSY 110
- 03 PSY 370 OR PSY 372
- 04 PSY 374
- 05 REF 400
- 06 SPE 400

11. ELECTIVES
- 01 CHOOSE ELECTIVES AS NEEDED. A MINIMUM OF 134 HRS IS REQUIRED FOR GRADUATION.

Minimum of 134 Hours in Program

COLLEGE OF SCIENCE AND TECHNOLOGY

ACADEMIC OFFERINGS
1996-1997

School/Department	Major/Emphasis	Degree***
SCHOOL OF ENGINEERING TECHNOLOGY		
	ARCHITECTURAL ENGINEERING TECHNOLOGY*	BS
	COMPUTER ENGINEERING TECHNOLOGY*	BS
	Computer Engineering Technology Emphasis	
	Computer Engineering Technology Software Emphasis	
	CONSTRUCTION ENGINEERING TECHNOLOGY*	BS
	ELECTRONICS ENGINEERING TECHNOLOGY*	BS
	INDUSTRIAL ENGINEERING TECHNOLOGY*	BS
	Industrial Engineering Technology Emphasis	
	Manufacturing Technology Emphasis	
	INDUSTRIAL TRAINING	BS
	Computer Technology Emphasis	
	Construction Emphasis	
	Environmental Sciences	
	Industrial/Manufacturing	
	MECHANICAL ENGINEERING TECHNOLOGY*	BS
	PRE-ENGINEERING**	
	PRE-ARCHITECTURE**	
BIOLOGICAL SCIENCES		
	BIOLOGICAL SCIENCES*	BA,BS
	Biological Sciences Emphasis	
	Environmental Biology Emphasis	
	Marine Biology Emphasis	
	Microbiology Emphasis	
	Molecular Biology Emphasis	
CHEMISTRY AND BIOCHEMISTRY		
	CHEMISTRY*	BS
	ACS Certified Emphasis	
	Biochemistry Emphasis	
	Chemistry Emphasis	
COMPUTER SCIENCE AND STATISTICS		
	COMPUTER SCIENCE*	BS
	Computer Science Emphasis	
	Statistics Emphasis	
GEOLOGY		
	GEOLOGY*	BS
MATHEMATICS		
	MATHEMATICS*	BA,BS
MEDICAL TECHNOLOGY		
	MEDICAL TECHNOLOGY	BS
PHYSICS AND ASTRONOMY		
	PHYSICS*	BS

POLYMER SCIENCE

POLYMER SCIENCE BS

(FORENSIC SCIENCE)****

ADDITIONAL PROGRAMS

(ENVIRONMENTAL SCIENCE)****

(GENERAL SCIENCE)****

(PREPROFESSIONAL PROGRAMS)

- Pre-Cytotechnology**
- Pre-Dental**
- Pre-Dental Hygiene**
- Pre-Health Information Management**
- Pre-Medical**
- Pre-Occupational Therapy**
- Pre-Optometry**
- Pre-Pharmacy**
- Pre-Physical Therapy**
- Pre-Veterinary**

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* Minor available.

** These programs do not lead to degrees. Students in a preprofessional program will select an academic major with a "minor" in the appropriate preprofessional area. They will either complete the degree or transfer to the appropriate professional school after satisfying its entrance requirements.

*** Degree Abbreviations: (BA) Bachelor of Arts, (BS) Bachelor of Science

**** Only a minor is available

COLLEGE OF SCIENCE AND TECHNOLOGY

Stephen A. Doblin, Dean
C. Howard Heiden, Associate Dean
R.D. Ellender, Assistant Dean for Research and Development
Kerry Herzinger, Assistant to the Dean for Student Services and Preprofessional Programs
Hattiesburg, MS 39606-5165
(601) 266-4883

The College of Science and Technology provides training in all of the classical fields of science, several contemporary multidisciplinary areas, and "career-oriented" technology degree programs.

The College of Science and Technology is organized into two schools, eight departments, and six centers or institutes. The School of Engineering Technology includes programs in Architectural, Computer, Construction, Electronics, Industrial, and Mechanical Engineering Technology at the undergraduate level. The School of Mathematical Sciences includes the departments of Computer Science and Statistics, Mathematics, and Physics and Astronomy; descriptions of its undergraduate programs can be found in the listings of its departments. Other departments of the College include Biological Sciences, Chemistry and Biochemistry, Geology, Medical Technology, and Polymer Science. The centers and institutes include those for Marine Science, Science Education, Environmental Science, Molecular and Cellular Biosciences, Surface Coatings, and the Mississippi Polymer Institute.

Preprofessional programs are offered by the College of Science and Technology in the following health related areas: medicine, dentistry, veterinary medicine, pharmacy, physical therapy, optometry, dental hygiene, health records administration, occupational therapy, and cytotechnology. These programs are administered by the Premedical and Health Professions Office. The College also provides pre-engineering and pre-architecture curricula.

A student wishing to obtain either a Bachelor of Science or Bachelor of Arts degree from the College of Science and Technology must complete the following College of Science and Technology requirements.

		Hours
I.	**Reasoning and Communication Skills (18 hours)**	
	English 101, 102 and Speech Communication	9
	Computer Science (programming language)	3
	*Mathematics (MAT 101 or higher)	6
II.	**Humanities and Fine Arts (12 hours)**	
	World Literature (ENG 203)	3
	World Civilization (HIS 101 and HIS 102)	6
	Allied Arts, Art, Music, or Theater (one of AA 100, ART 130, DAN 107, MUS 365, THE 100)	3
III.	**Social and Behavioral Sciences (6 hours)**	
	Anthropology, Economics, Geography, Psychology, Political Science, Sociology (one course from any two of the preceding areas; ANT 101 or 221; ECO 200 or 201; GHY 101, 102, 331, or 341; PS 101, 220, 331, or 425; PSY 110 or 375; SOC 101, 240, or 314)	6
IV.	**Natural and Applied Sciences (17 hours)**	
	Laboratory Science (excluding Fundamentals of Science and Mathematics)	8
	Laboratory Science, Non-Laboratory Natural Science, or Applied Science or Technology (excluding Fundamentals of Science and Mathematics)	6
	*Mathematics	3
V.	**Human Wellness (2 hours)**	
	Food and Nutrition (NFS 167)	1
	Physical Fitness (HPR 105)	1
		TOTAL: 55

*Must include at least one course in Calculus among the 9 hours of Mathematics taken.

NOTE: The student seeking a Bachelor of Arts degree must complete 3 additional hours of English and 6-9 hours of foreign language. Students who have two years of the same language in high school and who make satisfactory placement test scores may meet the language requirement by completing six semester hours at the 200- level or above.

In addition to the degree programs offered by the College of Science and Technology, minors are available in the areas noted previously under "Academic Offerings." Two of these minors are interdisciplinary, one in Environmental Science and one in General Science.

Requirements for a minor in Environmental Science

Students pursuing the undergraduate minor in Environmental Science must complete a minimum of eighteen (18) hours of course work. Courses used to meet minimum requirements in the core, major, or another minor may not be duplicated for the Environmental Science Minor. The following course is required: ESC 301 (Living in the Environment). The remaining fifteen (15) hours must be selected from among the following courses: BSC 435/L, 440/L, 441/L, 443/L, 444/L, 489/L; CHE 311/L, 411/L; CHS 321, 421, 440; CJ 480, CSS 418, 435; ENT 430/L; ESC 205, 302, 330, 401/L, 402/L, 431/L, 492; GHY 311/L, 323, 325/L, 370, 412/L, 417/L, 418/L, 425, 427, 474; GLY 306, 411, 465, 476; MAR 401/L, 405/L, 406/L, 422/L, 441/L, 461/L, 481/L; PLG 462, 465; SOC 461; TOX 470. From time to time, additional courses will be approved for inclusion among the fifteen hours of electives. Students should inquire about the most current listing from either: Assistant to the Dean, College of Science and Technology or Director, School of Engineering Technology.

Requirements for a minor in General Science

The multidisciplinary General Science minor requires twenty-seven (27) hours from three or more appropriate fields (astronomy, biological sciences, chemistry, computer science, geology, marine science, mathematics, and physics) with at least eight (8) hours from each field included; courses in the major are excluded.

CENTER FOR MARINE SCIENCES

Denis A. Wiesenburg, Director
John C. Stennis Space Center
Stennis Space Center, MS 39529
(601) 688-3177

The Center for Marine Sciences is located at the John C. Stennis Space Center on the Mississippi Gulf Coast near Bay St. Louis, MS. In addition to the regular faculty of the Center for Marine Science, faculty are drawn from the Gulf Coast Research Laboratory. The Center also cooperates with the Departments of Biological Sciences, Chemistry and Biochemistry, Geology, and Physics and Astronomy to provide state-of-the-art research and educational opportunities in marine science.

The Center is primarily a multidisciplinary graduate level academic/research program. However, a selected number of undergraduate courses in biological, geological and physical oceanography and marine chemistry are offered. The majority of undergraduate marine science courses are taught during the summer semester at the Gulf Coast Research Laboratory campus. MAR 151 (a general curriculum natural science elective) is offered on the main campus in Hattiesburg as well as the John C. Stennis Space Center.

Undergraduate students interested in preparing for graduate study in marine science should pursue a bachelor's degree program in their department of choice, developing a strong background in chemistry, physics, and mathematics through calculus.

CENTER FOR SCIENCE EDUCATION

Iva D. Brown, Director
(601) 266-4739
Affiliated faculty: Bellipanni, I. Brown, C. Bowen, Hairston, Milkent

The Center for Science Education coordinates all programs in teacher education offered by the College of Science and Technology. Teacher education programs in the sciences are offered through the Departments of Biological Sciences, Chemistry and Biochemistry, Geology, and Physics and Astronomy. Programs in secondary teacher education require the equivalent of a major in an academic discipline and a minor in secondary education. Students interested in science teaching certification at the secondary level are referred to the department offering the academic discipline of their choice. Students transferring from the community and junior colleges are advised to follow the core requirements outlined for the College of Science and Technology.

Objectives

The objectives of the Center for Science Education are: (1) to coordinate all programs in teacher education offered by the College of Science and Technology; (2) to provide, in cooperation with the Department of Curriculum and Instruction, a curriculum in the sciences and science

methods for prospective elementary school teachers; (3) to provide the science teaching methods course and student teaching supervision for prospective secondary teachers; (4) to provide programs leading to advanced degrees in science education; and (5) to work with public schools in the development of curricula, workshops, science fairs, and other activities designed to improve science instruction at all public school levels.

Curriculum and Programs

The Center For Science Education offers a three course sequence: FS 131, General Physical Science; FS 133, General Biological Science; and FS 135, Earth and Environmental Science. The courses in the Fundamentals of Science (FS) sequence are laboratory courses designed to meet core requirements for elementary education and special education majors. In addition, the Center offers elementary and secondary science teaching methods courses designated in the catalog as Science Education (SCE).

Graduate programs offered by the Center For Science Education are described in the Graduate Bulletin.

INSTITUTE OF ENVIRONMENTAL SCIENCE

Desmond Fletcher, Director
Hattiesburg, MS 39406-5137
(601) 266-4896

The Institute of Environmental Science assembles teams of researchers from all disciplines as needed to undertake applied research in the areas of environmental studies and renewable energy resources. Providing environmental expertise to the community is another major function of the Institute.

CENTER FOR MOLECULAR AND CELLULAR BIOSCIENCES

Glen Shearer, Coordinator
Hattiesburg, MS 39406-5018
(601) 266-4722

The Center is composed of scientists with expertise in the disciplines of biochemistry, microbiology, molecular biology and molecular genetics. The Center facilitates research in these areas by means of a weekly Journal Club, which reviews the current literature, and the Distinguished Scientists Seminar Series, which brings world-renowned researchers to the Hattiesburg campus. In addition, the Center provides a forum for interaction among graduate and undergraduate students working in the laboratories of the participating faculty. Faculty currently associated with the Center are members of the Department of Biological Sciences or the Department of Chemistry and Biochemistry.

MISSISSIPPI POLYMER INSTITUTE

Robert K. Schlatzer, Director
Hattiesburg, MS 39406-0003
(601) 266-4607

The Mississippi Polymer Institute was authorized by the Mississippi Legislature in 1983. The purpose of the Institute is to conduct research designed to increase the utilization of Mississippi raw materials in polymers and to support the rapidly growing polymer industry in Mississippi. The Institute is an integral part of the College of Science and Technology and functions in concert with the Department of Polymer Science.

INSTITUTE FOR FORMULATION SCIENCE

Shelby F. Thames, Director
Hattiesburg, MS 39406-0076
(601) 266-4080

The Institute for Formulation Science supports and coordinates research in coatings technology. The Institute is an integral part of the College of Science and Technology and functions in concert with the Department of Polymer Science.

PREMEDICAL AND HEALTH PROFESSIONS OFFICE

Kerry F. Herzinger, Director
Hattiesburg, MS 39406-0006
(601) 266-4724
Faculty Advisers: J. Bailey, L. Bopp, G. Cannon, J. Evans, W. Goggin, D. Norris, S. Ross, R. Scheetz

The Premedical and Health Professions Office administers ten undergraduate programs that lead to professional study in the following fields: medicine, dentistry, optometry, veterinary medicine, pharmacy, dental hygiene, physical therapy, occupational therapy, cytotechnology, and health information management. These preprofessional programs vary greatly in content and duration; all are designed to prepare students for admission to the appropriate professional school. Students interested in any of these fields are urged to contact the Premedical and Health Professions Office to ensure that the proper courses are taken and the necessary procedures are followed. For details regarding the individual programs, consult the descriptions below.

PRE-CYTOTECHNOLOGY PROGRAM

The University of Southern Mississippi offers a two-year program that prepares students for the two-year professional program within the Department of Cytotechnology, School of Health-Related Professions, University of Mississippi Medical Center. Students completing this program receive the B.S. degree from the University of Mississippi.

PACE PROGRAM PLAN

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Pre-Cytotechnology 257

PRE-DENTAL PROGRAM

Minimal requirements for admission to most schools of dentistry are similar and normally include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Dental Admission Test (DAT). The PACE Program Plan for Pre-Dental outlined later in this catalog lists minimal requirements for admission to the School of Dentistry of the University of Mississippi and most other dental schools. Pre-dental students do not receive a degree in "pre-dent." Rather, as they follow a pre-dental curriculum, they work toward completing a baccalaureate degree in the field of their choice. Students usually take the DAT the spring of the junior year and make application to dental school the fall of the senior year.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to dental school; under certain conditions, those individuals may transfer credits from their first year at dental school and receive the bachelor's degree from The University of Southern Mississippi.

PACE PROGRAM PLAN

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Pre-Dental 257

PRE-DENTAL HYGIENE PROGRAM

The University of Southern Mississippi offers a two-year curriculum that prepares students for the two-year professional program in dental hygiene at the University of Mississippi Medical Center. Students completing the entire program receive the B.S. degree from the University of Mississippi.

PACE PROGRAM PLAN

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Pre-Dental Hygiene 257

PRE-HEALTH INFORMATION MANAGEMENT PROGRAM

This curriculum prepares students for the two-year professional program within the Department of Health Information Management, School of Health Related Professions, University of Mississippi Medical Center. Acceptance into this program is dependent upon the degree of preparation and level of academic achievement of candidates and is determined solely by the

professional school. Students completing the professional program receive the B.S. degree in Health Information Management from the University of Mississippi.

PACE PROGRAM PLAN

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Pre-Health Information Management 257

PRE-MEDICAL PROGRAM

Schools of medicine have fundamentally similar minimal requirements for admission. Generally, these requirements include completion of specified courses in English, biology, chemistry, physics, and mathematics; completion of a baccalaureate degree; and scores from the nationally-administered Medical College Admission Test (MCAT).

The curriculum outlined meets only minimal requirements for admission to the School of Medicine of the University of Mississippi and to other medical schools. Premedical students do not receive a degree in "pre-med." Rather, as they follow a pre-medical curriculum, they work toward completing a baccalaureate degree in the field of their choice. Students usually take the MCAT the spring of the junior year and apply to medical school the following summer.

Exceptional students with as few as 90 semester hours credit, who otherwise meet admissions criteria, may be admitted to medical school; under certain conditions, these individuals may transfer credits from their first year at medical school and receive the bachelor's degree from The University of Southern Mississippi.

PACE PROGRAM PLAN

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Pre-Medical Program 257

PRE-OCCUPATIONAL THERAPY PROGRAM

The curriculum in pre-occupational therapy prepares students for the two-year professional program at the University of Mississippi Medical Center. Students completing the entire program receive the B.S. degree from the University of Mississippi. Admission to professional programs of occupational therapy is extremely competitive, being dependent upon a strong record of academic preparation and achievement; it is determined solely by the professional school.

PACE PROGRAM PLAN

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Pre-Occupational Therapy 258

PRE-OPTOMETRY PROGRAM

Students wishing to study optometry must complete three or more years in a preprofessional program. Currently, programs at the University of Alabama at Birmingham, the Southern College of Optometry in Memphis, Tenn., and the University of Houston in Houston, Tex., admit residents of Mississippi to professional study. The criteria for admission to these programs are somewhat dissimilar, and the student and pre-optometry adviser will need to determine the exact preprofessional curriculum to be followed. The curriculum outlined in the PACE Program Plan for Pre-Optometry is only illustrative and does not reflect the specific entrance requirements of a particular school of optometry. The Optometry Admission Test (OAT) is a requirement for admission to all colleges of optometry and should be taken in the fall of the third year of pre-professional study.

PACE PROGRAM PLAN

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Pre-Optometry 258

PRE-PHARMACY PROGRAM

Colleges of pharmacy normally require two-three years of preprofessional training, but minimal requirements for admission vary. The student and the pre-pharmacy adviser will design the academic program to meet the specific admission criteria for the college of pharmacy which the student wishes to attend. The PACE Program Plan outlined in this catalog meets admission requirements of the School of Pharmacy of the University of Mississippi as well as many other pharmacy schools. The Pharmacy College Admission Test (PCAT) is required by the University of

Mississippi; it may also be required by other schools. It is given in February, April, and November of each year; applications are available in the Premedical and Health Professions Office.

PACE PROGRAM PLAN

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Pre-Pharmacy 258

PRE-PHYSICAL THERAPY PROGRAM

The curriculum in pre-physical therapy fulfills course requirements for admission to the two-year professional program within the Department of Physical Therapy, School of Health Related Professions, University of Mississippi Medical Center. A minimum of sixty-five (65) semester hours is required, and students must have observed the work of two clinical departments of physical therapy for at least thirty (30) hours prior to application. Admission to professional programs of physical therapy is extremely competitive, dependent upon a strong record of academic preparation and achievement; it is determined solely by the professional school.

PACE PROGRAM PLAN

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Pre-Physical Therapy 258

PRE-VETERINARY PROGRAM

Residents of Mississippi wishing to study veterinary medicine ordinarily apply to the College of Veterinary Medicine, Mississippi State University. Current criteria for admission to that college are given in the MSU publication "Requirements for Application to the College of Veterinary Medicine," which is available from the pre-veterinary adviser. Candidates are evaluated on the basis of pre-veterinary academic preparation, as well as expertise in management of domestic animals and experience within the food-animal industry.

The pre-vet curriculum satisfies minimal course requirements for admission to MSU's College of Veterinary Medicine; applicants to other schools should consult the appropriate admissions offices. Although only sixty-five (65) semester hours of undergraduate coursework are required, students are strongly advised to work towards completing the baccalaureate degree in a science field. The Veterinary College Admission Test (VCAT) is also required. It is recommended that students acquire experience working in a veterinary clinic before applying to a vet school.

PACE PROGRAM PLAN

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Pre-Veterinary 258

SCHOOL OF ENGINEERING TECHNOLOGY

R.A. Cade, Director
Hattiesburg, MS 39406-5137
(601) 266-4896

K. Ali, Fletcher, Harrison, Haws, Heiden, Houston, G.D. Huffman, Johnsey, Leybourne, Lindsey, Lipscomb, Marchman, Mathis, Murphy, J. Myers, Neal, Vajpayee

The School of Engineering Technology offers seven undergraduate programs with direct application to industry:

Architectural Engineering Technology
Computer Engineering Technology
Construction Engineering Technology
Electronics Engineering Technology
Industrial Engineering Technology
Industrial Training
Mechanical Engineering Technology

The Engineering Technology programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (TAC/ABET). The School also offers a two-year pre- engineering program and a program leading to the Master of Science in Engineering Technology.

The baccalaureate programs provide career-oriented technical education that enables graduates to enter positions with skills that are in high demand in modern industry. All programs are geared to

accept transfer students from accredited community/junior colleges and technical institutes. Some guidance for transfer students is provided with the individual program information in this section; however, students planning to transfer to the School of Engineering Technology are urged to contact the appropriate Program Coordinator for details.

Minor programs in Engineering Technology are outlined following the corresponding major programs. Minor requirements may not be satisfied by transfer of courses from other institutions which are not accredited by TAC/ABET.

ARCHITECTURAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology)

George Mathis, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The Architectural Engineering Technology program educates future Architectural Engineering Technologists in the process of producing design projects from schematics through construction. The program is designed to prepare its graduates for employment in architecturally-related firms, including architects' offices, design-build firms, engineering firms, governmental agencies, real estate development firms, planning offices , and architectural materials suppliers and manufacturers. Major courses of study include architectural design, architectural history, architectural working drawings, building materials, computer-aided design and drafting, electrical systems, estimating, mechanical systems, office practices, specifications, structural design, and surveying. Students desiring transfer to a school of architecture should consult with their adviser early in their course of studies.

PACE DEGREE PLAN

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Architectural Engineering Technology 259

Requirements for a Minor in Architectural Engineering Technology

The requirements for a minor in Architectural Engineering Technology are ACT 132/L, ACT 204, ACT 322, and nine (9) hours of Architectural Engineering Technology electives (recommended courses are ACT 262/L, 316, and 323/L).

COMPUTER ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology)

Gary Johnsey, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The major in Computer Engineering Technology offers the student a variety of topics concerning the uses of computers and digital electronics in our technical society. The plan of study leading to the baccalaureate degree provides the student with practical applications of computer technology in combination with the theoretical background necessary for a well rounded education. Extensive laboratory experience aids the student in the design, analysis, and application of digital electronics to the problems encountered in modern technology. Graduates of this program are expected to be knowledgeable in digital electronics, computer hardware, and applications involving the computer as a problem-solving tool.

PACE DEGREE PLANS

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Computer Engineering Technology 260
Computer Engineering Technology (Software) 261

Requirements for a Minor in Computer Engineering Technology

Students minoring in Computer Engineering Technology must complete twenty-one (21) hours as follows: MAT 137 or 168 and eighteen (18) hours of Computer Engineering Technology electives.

CONSTRUCTION ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.)

David Marchman, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The Construction Engineering Technology program emphasizes the technology, engineering principles, and business educational requirements that have been historically needed by the construction industry. Construction is one of the largest and most diversified industries in the world, accounting for approximately 10 percent of this country's gross national product. The key professional in this vast enterprise is the constructor. Various job titles for the constructor are: estimator, scheduler, superintendent, project manager, project engineer, controls manager, materials manager, or owner. These skilled professionals are indispensable in meeting the global needs for new structures, civil and environmental projects.

While requiring basic business course, the interdisciplinary Construction Engineering Technology program offers students specialized course work in building systems, construction procedures, cost estimating, construction contracts, and construction design. Graduates are employed in both office and field positions in the commercial, industrial, utility, highway, and residential sectors. Employers include contractors, subcontractors, consultants, government agencies and construction services firms.

PACE DEGREE PLAN

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Construction Engineering Technology 262

Requirements for a Minor in Construction Engineering Technology

The requirements for a minor in Construction Engineering Technology are ACT 132/L, ACT 204, and ACT 235/L, plus nine (9) hours of Construction Engineering Technology electives (recommended courses are BCT 336/L, BCT 454/L, BCT 455/L, and BCT 458/L).

ELECTRONICS ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology)

Gary Johnsey, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The major in Electronics Engineering Technology covers a variety of topics in modern electronics, including electronic devices, digital systems and microprocessors, instrumentation, control systems, power systems and communications electronics. Graduates will have extensive knowledge of electronics and will be qualified to fill supervisory positions in the electronics industry.

Students transferring from a junior college or technical institute should have completed the following courses in order to complete the program in 4 regular semesters:

1. Freshman and sophomore level courses in basic electricity and electronics (26 sem. hrs.), normally satisfied by Associate Degree in Electronics Technology;
2. English composition (6 sem. hrs.);
3. College algebra and trigonometry (6 sem. hrs.)
4. Physics with laboratory (8 sem. hrs.);
5. Computer programming (3 sem. hrs.); and
6. Other courses applicable to the General Education Core Curriculum (12 sem. hrs.) — Calculus I and II are strongly recommended.

PACE DEGREE PLAN

Page
Electronics Engineering Technology 263

Requirements for a Minor in Electronics Engineering Technology

Students minoring in Electronics Engineering Technology must complete eighteen (18) hours as follows: EET 110, 110L, 111, 111L, and ten (10) hours of Electronics Engineering Technology electives (EET 210, 210L, 211, 211L are strongly recommended).

INDUSTRIAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology)

John Myers, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The major in Industrial Engineering Technology offers a baccalaureate program designed to prepare students to meet the growing demands of industry for employees with expertise in manufacturing processes, statistical quality control, production management, automation, and computer-aided manufacturing. In addition to the traditional program emphasizing productivity improvement, a special emphasis area in manufacturing is offered. Both programs provide the graduate with a strong background in the technical sciences and applied mathematics, and prepares him or her for a wide spectrum of jobs in the manufacturing, service, and government sectors.

PACE DEGREE PLANS

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Industrial Engineering Technology 264
Manufacturing Emphasis 265

Requirements for a Minor in Industrial Engineering Technology

The requirements for a minor in Industrial Engineering Technology are IET 405, 409, 410 (required) and nine (9) hours of Industrial Engineering Technology electives.

INDUSTRIAL TRAINING

Ruth Ann Cade, Director
Hattiesburg, Mississippi 39406-5137
(601) 266-4896

The Industrial Training program curriculum is designed to produce graduates who meet industry's requirements for skilled technical workers with expertise to develop and conduct on-site personnel training or retraining programs. The training and development component includes course work taught by the Department of Technology Education and is designed to address the key competencies identified by the American Society for Training and Development. The School of Engineering Technology provides the course work required to develop technical competency; students must select one of the following four technical competency concentrations: (1) Industrial/Manufacturing, (2) Computer Technology, (3) Construction, and (4) Environmental Science. The first two years of the program is designed to be completed at a Community or Junior College, with all courses transferring into the four-year baccalaureate program in the School of Engineering Technology.

PACE DEGREE PLANS

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Industrial Training (Computer Technology) 266
Industrial Training (Construction) 267
Industrial Training (Environmental Science) 268
Industrial Training (Industrial/Manufacturing) 269

MECHANICAL ENGINEERING TECHNOLOGY

(Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology)

Jack Lipscomb, Coordinator
Hattiesburg, MS 39406-5137
(601) 266-4896

The Mechanical Engineering Technology major is concerned with practical application of engineering principles to the design, operation, and testing of mechanical equipment and systems. Fields of study include robotics, solar energy, strength of materials, machine design, computer programming and applications, digital instrumentation, fluids, hydraulics, air conditioning design, manufacturing materials and processes, and personnel supervision. Students also develop

competence in physics and applied mathematics. Graduates are able to solve problems involving the choice of materials, mechanical design, selection of manufacturing process, as well as the economic and personnel considerations. Because of the large demand for technically educated men and women, Mechanical Engineering Technology graduates can expect to develop a rewarding, successful career in many employment settings such as industry, government, consulting, or service.

PACE DEGREE PLAN

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Mechanical Engineering Technology 270

Requirements for a Minor in Mechanical Engineering Technology

Students minoring in Mechanical Engineering Technology must complete ENT 110, ENT 240, MET 323 and an additional fifteen (15) hours of Mechanical Engineering Technology electives (ENT 330 and MET 420 are strongly recommended).

PRE-ENGINEERING CURRICULUM

Cecil A. Harrison, Adviser
Hattiesburg, MS 39406-5137
(601) 266-4896

Pre-engineering provides the academic background required for transfer into an engineering school at the junior (third-year) level. A typical pre-engineering curriculum is listed on page 257; however, the Pre-Engineering Coordinator designs each student's program to ensure that all coursework can be transferred to the engineering program designated by the student. The engineering fields for which a USM student can prepare include, but are not limited to:

Aerospace Engineering	Geological Engineering
Biomedical Engineering	Industrial Engineering
Chemical Engineering	Mechanical Engineering
Civil Engineering	Nuclear Engineering
Electrical Engineering	Petroleum Engineering

PACE PROGRAM PLAN

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Pre-Engineering Curriculum 271

DEPARTMENT OF BIOLOGICAL SCIENCES

B. L. Middlebrooks, Chair
Hattiesburg, MS 39406-5018
(601) 266-4748

D. Anderson, G. Anderson, Bailey, Beckett, Bellipanni, Biesiot, Bopp, Cibula[3], Curry, Ellender, Hairston, Hawkins[1], Heard[1], Howell, Larsen, Lotz[1], Matlack, Miller[4], Montcreiff[1], F. Moore, Norris, Overstreet[1], Payne[4], Pennington[2], M. Peterson[1], Pessoney, Poss[1], S.Ross, Rosso, Santangelo, Scheetz, Shearer, Simons[5], Solangi[2], Tornow, Wang, Yarbrough.

[1]Gulf Coast Research Laboratory; [2]Marine Life; [3]Stennis Space Center;
[4]U.S. Army Engineers Waterways Experiment Station; [5]U.S. National Park Service.

The Department of Biological Sciences offers a choice of curricula leading to either the Bachelor of Arts or the Bachelor of Science degree in Biological Sciences. These curricula include the emphasis areas of Environmental Biology, Marine Biology, Microbiology, and Molecular Biology for students seeking preparation for careers in these specific fields of the biological sciences, as well as a general Biological Sciences curriculum for students seeking broader preparation. The latter curriculum, when combined with the required education courses and other specified electives, is also well suited for student seeking certification as secondary school teachers of biological sciences. Students selecting the Microbiology or Molecular Biology emphases will complete the requirements for a minor in Chemistry. Students selecting the Environmental Biology, Marine Biology, and general Biological Sciences emphases are not required to complete a minor, although completion of one additional Chemistry course beyond those required for these emphasis areas will satisfy the requirements for a minor in Chemistry. The teacher certification program in Biological Sciences includes a major in biological sciences and a minor in secondary education. It is

an NCATE approved teacher education program. Detailed Pace Degree Plans for the various Biological Sciences emphasis areas are provided on pages 267-272 of this Bulletin (see below for pages for specific emphasis areas). Information concerning the Master of Science and the Doctor of Philosophy degrees appears in the Graduate Bulletin. A student's choice of degree program and of curriculum should be determined in consultation with an adviser.

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Environmental Biology Emphasis 274
Marine Biology Emphasis 275
Microbiology Emphasis 276
Molecular Biology Emphasis 277

Requirements for a Minor in Biological Sciences

Students minoring in Biological Sciences must complete eighteen (18) hours in biological sciences including at least seven (7) hours numbered 300 or above.

GULF COAST RESEARCH LABORATORY

The Department of Biological Sciences is allied with the Gulf Coast Research Laboratory in Ocean Springs. Faculty at both institutions actively participate in teaching and research activities at the Gulf Coast Research Laboratory. Summer coursework at Ocean Springs is strongly recommended for both undergraduate and graduate students.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

David Wertz, Chair

Hattiesburg, MS 39406-5043

(601) 266-4701

Bateman, A. Bedenbaugh, J. Bedenbaugh, C. Bowen, I. Brown, Cannon, Elakovich, J. Evans, Fawcett, Griffin, Heinhorst, E. Howell, Hoyle, Khanna, McCain, McCormick, McMurtrey, Minn, Pojman, Rayborn, van Aller, Wertz, Whitehead, H. P. Williams

A student majoring in Chemistry must work toward the Bachelor of Science degree. For information concerning the Master of Science degree and the Doctor of Philosophy degree, see the Graduate Bulletin. A major in Chemistry includes satisfaction of the general core requirements of the University and the College of Science and Technology and no less than forty-two (42) semester hours of chemistry. A minor is not required. The lecture and laboratory portions of required courses must be taken concomitantly. No chemistry course in which a student receives a grade less than C will count toward the chemistry major.

There are three emphasis areas that lead to the Bachelor of Science degree in Chemistry. These are the American Chemical Society (ACS) Certified Emphasis, the Biochemistry Emphasis, and the Chemistry Emphasis. All three of these emphases prepare students for careers at the B.S. level in either private industry or in government, or for admission to graduate school or to a professional school, such as a medical or dental school. Certification to teach secondary school chemistry may be obtained through the Chemistry Emphasis. Some of the special characteristics of each emphasis area are noted below.

ACS CERTIFIED EMPHASIS IN CHEMISTRY

Students completing this emphasis are certified by the Committee on Professional Training of the American Chemical Society. They take a minimum of forty-nine (49) semester hours of chemistry course work. The mathematics and science courses must be taken with the pre- and/or co-requisites listed in this Bulletin. Key features of the curriculum are a requirement for physics with calculus (PHY 201/201L, 202/202L), mathematics through differential equations (MAT 385), and several senior level chemistry courses (CHE 411/411L, 431/431L, and 494 or 496) with physical chemistry as a pre-requisite. Students contemplating using this emphasis as preparation for admission to a professional school should consult with a pre-professional advisor about taking additional life sciences courses.

BIOCHEMISTRY EMPHASIS

This emphasis requires a minimum of forty-three (43) semester hours of chemistry, including ten (10) hours of senior level biochemistry (CHE 421/421L, 422/422L), and twenty-four (24) hours of biological sciences. It provides an excellent preparation for medical or dental school because of its extensive life sciences content. Students contemplating using this emphasis as preparation for careers as chemists in industry or government or entry to graduate school in biochemistry or chemistry are strongly encouraged to take a full year of physical chemistry (CHE 461/461L and 462/462L).

CHEMISTRY EMPHASIS

The advantage of this emphasis is its flexibility. The twenty-eight (28) hours of electives allow the student to take a minor or even a double major in many other academic areas. This emphasis requires a minimum of forty-two (42) semester hours of chemistry. It requires ten (10) semester hours of calculus but it does not require completion of physics with calculus (PHY 201/201L, 202/202L), although this is strongly encouraged. Students contemplating using this emphasis as preparation for admission to a professional school should consult with a pre-professional advisor about taking additional life sciences courses.

SECONDARY SCHOOL TEACHING CERTIFICATION

An option with the Chemistry Emphasis allows the student to obtain secondary teaching certification meeting NCATE requirements in chemistry and general science.

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Biochemistry Emphasis 279
Chemistry Emphasis 280
Chemistry Emphasis (Certification) 281

Requirements for a Minor in Chemistry

A minor in chemistry requires 21 hours of chemistry, with a grade of C or higher in each course. CHE 100, CHE 104, CHE 104L, CHE 251, CHE 251L, CHE 409, and CHE 410 will not count towards the 21 hours required for the minor.

DEPARTMENT OF COMPUTER SCIENCE AND STATISTICS

Frank K. Nagurney, Chair
Hattiesburg, MS 39406-5106
(601) 266-4949

A. Ali, D. Ali, Bisland, Breshears, Burge, Burgess, D. Carter, Etheredge, Garraway, Gregg, D. Huch, D. Huffman, Krell, Milkent, J. Miller, Perkins, Rimes, Seyfarth, Simmons, VerBerkmoes

The Department of Computer Science and Statistics offers a flexible degree plan accredited by the Computing Sciences Accreditation Board. This program, offered under the CSC designation, allows students to select concentrations in specific areas such as Software Engineering, Database, Statistics, or Operations Research. Graduates of this program are prepared to begin professional careers in computer science or to pursue graduate studies. Under the CSS designation, the department offers a degree plan in computer science with an emphasis in statistics and many courses which are primarily service courses to the University community. The department also offers a teacher certification degree program. In addition, a student who is certified to teach in any secondary teaching area can earn "additional" certification in computer education by completing the following courses: CSS 400, CSC 101/L, CSC 102/L, CSC 205, CSC 307, and BTE 465. For all programs, a grade of C or higher must be earned in required CSS and CSC courses. For information concerning the Master of Science degree in Computer Science, the Master of Science in Computer Science with an Emphasis in Computational Science, and the Doctor of Philosophy degree in Scientific Computing, please consult the Graduate Bulletin.

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Requirements for a Minor in Computer Science

The requirements for a minor in computer science include CSC 101, CSC 102 and 12 hours from among the following set of courses: CSC 101L, 102L, 203, 203L, 204, 204L, 205, 301, 306, 306L, 307, 308, 309, 320, 410, 410L, 411, 412, 413, 414, 414L, 415, 421, 422, 424, 425, 426, 435, 485, 486, CSS 240, 342, 343, 415, 416, 417, 418, 442, 460.

Requirements for a Minor in Statistics

The requirements for a minor in statistics include CSS 211, CSS 212 and 12 hours from among the following set of courses: CSC 320, 422, 425, 435, CSS 240, 330, 340, 350, 415, 416, 417, 418, and IET 302. A maximum of 6 hours is accepted from the courses in the following list: CSS 240, 330, 340, 350.

DEPARTMENT OF GEOLOGY

Daniel A. Sundeen, Chair
Hattiesburg, MS 39406-5044
(601) 266-4526
R. Bowen, C.P. Cameron, D. Dunn, Meylan, Otvos[1], Patrick, Russell, L. Smith[2]
[1]Gulf Coast Research Laboratory, [2]U.S. Army Engineer Waterways Experiment Station.

Students may major in Geology as preparation for careers in development of natural resources, regional and national planning, research, secondary education, college and university teaching, oceanography, exploration of the Earth and Space, environmental studies, and other allied occupations. A Bachelor of Science and graduate work through the master's degree are offered in the department.

High School Preparation. Secondary students planning to prepare for professional careers in the geological sciences should complete credits in biology, chemistry, and physics (if available) and mathematics through second-year algebra, solid geometry, and trigonometry (or equivalent). Other desirable credits include foreign language, engineering drawing, or similar courses in drafting and typing.

Transfer Preparation. Students transferring into Geology from other programs or institutions should note the prerequisites for upper-level geology courses. GLY 101, 101L should be taken no later than the summer preceding the junior year to avoid graduation delay.

Preparation for Secondary Education (General Science Teaching). Students interested in science teaching certification are encouraged to contact the chair of the Geology Department for details about the required curriculum. A modification of the geology degree program will fulfill the certification requirements for a general science teaching degree.

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Geology (General Science Certification) 286

Requirements for a Minor in Geology

Students seeking a Geology minor must complete eighteen (18) hours as follows: GLY 101, 101L, 103, 103L and ten (10) additional hours of geology courses.

DEPARTMENT OF MATHEMATICS

Wallace Pye, Chair
Hattiesburg, MS 39406-5045
(601) 266-4289

Becnel, L. Bell, Betounes, D.J. Caveny, B.J. Davis, Ding, Doblin, Essary, Fay, Giovannitti, Hornor, Kolibal, McDowell, Piazza, Putthoff, Redfern, S. Ross, R. C. Smith, Stuart, J. Thrash, K. Thrash, Walls, P. Webster

The Department of Mathematics offers a flexible curriculum for baccalaureate degrees, so that individual students may tailor their university mathematics programs to fit specific educational and career objectives. The Bachelor of Arts and Bachelor of Science degrees in mathematics provide sound foundations for a broad latitude of careers in education, industry, business and government. Most of today's challenging careers call for continuing education beyond the bachelor's degree, and an undergraduate major in mathematics provides a versatile avenue for preparing for advanced studies in a number of fields, including mathematics, computer science, statistics, management science, actuarial science, mathematics education and engineering.

Students who have completed a college preparatory program in high school should begin their university mathematics programs with MAT 178. Students without this background should elect appropriate mathematics courses in consultation with their academic advisers. Mathematics majors should take MAT 340 and 326 concurrently with the calculus sequence. They can receive advanced mathematics elective credit only for those courses taken after having successfully passed MAT 340 and 326 with a grade of C or better. No mathematics or computer science course in which a student receives a grade less than C will count toward the major. Those seeking secondary teacher certification can substitute MAT 316 for MAT 326. Mathematics majors may not enroll in the courses MAT 102, 136, 137, 210, 308, 309, 310, 312, 314, or 410, which are designed to serve the special interests of students in other departments and colleges. They must include PHY 201 and 201L in their programs and cannot use the Fundamentals of Science courses to fulfill their science requirements. The mathematics faculty recommends that all majors include PHY 202 and 202L in their programs, and that they obtain two-year proficiency in one of the following languages: French, German, Italian, Russian.

The mathematics major who intends to pursue a career in actuarial science should include MAT 320, 418, 419, 420, 426, 460, and 461 in his/her program. In addition this student should elect REI 325 and 326, as well as a course in macroeconomics and a course in management.

The student who has earned a baccalaureate degree in mathematics with provisional secondary teacher certification, once he/she has achieved certification, can also receive additional certification in computer education or physics education from the State Department of Education. Consult the chair of the appropriate department for the specific coursework.

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Requirements for a Minor in Mathematics

Any six courses (18 hours) that count toward the major in mathematics will satisfy the requirements for a minor in mathematics. A suggested minor is eighteen (18) hours of the following courses: MAT 178, 179, 280; MAT 326, 340; and MAT 320, 385, or any courses selected from the upper level mathematics electives. Students seeking a minor in mathematics are encouraged to consult a faculty adviser in the Department of Mathematics.

DEPARTMENT OF MEDICAL TECHNOLOGY

M. Jane Hudson, Chair
Hattiesburg, MS 39406-5134
(601) 266-4908

Beck, Eubanks, Goodwin, Hall, Lux, Myers

A student majoring in the Department of Medical Technology should consult the PACE degree plan for required courses.

ADMISSION TO JUNIOR LEVEL COURSES

A minimum GPA of 2.5 overall and a "C" or better in College Algebra, a second math (MAT 102 or other Calculus) and General Chemistry lectures and laboratories are required for entrance into MTC 300/300L. MTC 300/300L is a prerequisite or corequisite for all other MTC courses except MTC 101. Other prerequisites for MTC 302/302L, 306/306L, and 309/309L are stated in the course descriptions found in this catalog.

PROGRESSION IN THE JUNIOR YEAR

A student must make a "C" or better in MTC 300, 300L, 302, 302L, 306, 306L, 309, and 309L. The department repeat policy for these courses is:

1. A student may repeat one junior-level MTC course, viz., MTC 300, 300L, 302, 302L, 306, 306L, 309, or 309L to improve the grade without permission from the department faculty.
2. A second repeat of junior-level courses will require specific permission of the faculty. To obtain permission, the student must present a justification in person before the faculty of the Department. A favorable majority vote of the faculty is required for permission to repeat and continue as a major.

ADMISSION TO THE SENIOR YEAR

During the junior year, the student will apply to the department for admission to the senior year. Students should contact the Medical Technology Department for the application procedure. A minimum overall and science GPA of 2.3 is required before an application can be reviewed. Science courses used to calculate the science GPA include all BSC, CHE, MAT, CSS and MTC courses in the curriculum. Hepatitis vaccination, physical report, and professional liability insurance are required. Application completion, successful completion of all courses in the curriculum, and demonstration of qualities and attitudes which are necessary to develop as a competent professional are required. When qualified applicants exceed class size, selection will be based upon GPA. The senior year consists of two phases: Phase I, two semesters on The University of Southern Mississippi campus; and Phase II, a six-month clinical session at one of the affiliated hospitals. Preferences for hospital assignments will not be considered.

PROGRESSION IN THE SENIOR YEAR

Consult the Medical Technology Student Policy Manual for progression policies for the senior year.

AFFILIATED HOSPITALS

Forrest General Hospital: Norris, Williams
Gulf Coast Medical Center: Dellinger, Gandour
Memorial Hospital at Gulfport: Barnes, Gandour
North Oaks Medical Center: Gunn, Scully
Singing River Hospital: Holland, Magee

ACCREDITATION

The Department of Medical Technology is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Upon successful completion of the program, students receive the Bachelor of Science degree in Medical Technology and become eligible to take national certifying examinations given by recognized certifying agencies.

LANGUAGE PROFICIENCY

Regardless of courses taken previously, if English is not the native language of any student, evidence of English proficiency must be provided prior to admission into the senior year. The MTELP (Michigan Test of English Language Proficiency) requirement is "Proficiency II" and is preferred by the department. Alternately, a TOEFL of 550 may be accepted. In addition, a score of 4 ("functional language skills") must be earned on a fluency test administered by the English Language Institute. This fluency test is specifically designed to determine listening and speaking skills with respect to situations and language expected during the practicum phase of the program.

MLT MATRICULATION

MLT students who hold an Associate Degree from a NAACLS accredited MLT program and certification as a Medical Laboratory Technician (or equivalent) from a nationally recognized certifying agency are not required to take the junior level MTC courses, as long as their transcripts document equivalent courses taken as part of the community college program and a grade of "C" or above was obtained in each MLT course.

MASTER OF SCIENCE DEGREE

For information on the Master of Science degree, please consult the Graduate Bulletin.

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Medical Technology 289

DEPARTMENT OF PHYSICS AND ASTRONOMY

William E. Hughes, Chair
Hattiesburg, MS 39406-5046
(601) 266-4934
Folse, Lee, Mead, Messer, Pandey, Rayborn, Whitehead

The mission of the Department of Physics and Astronomy is:

- To provide the University and regional community with the intellectual viewpoint and methods of fundamental science;
- To transmit, create and apply the knowledge and methods of physics through the avenues of teaching, research and service;
- To provide a quality Bachelor of Science program in physics to prepare the citizens of Mississippi for technical positions in high-tech industry, positions in government laboratories, and positions as high school physics teachers, as well as to pursue graduate study;
- To provide a quality Master of Science program in physics to the citizens of Mississippi to perform research in a fundamental science by designing research problems, conducting research projects, and disseminating research findings;
- To provide the leadership within the state of Mississippi in research in physics through the participation of the faculty in pioneering pure and applied research, and the dissemination of the resulting new knowledge and methods;
- To invest expertise and time in service to other scientific disciplines within the university community as well as the general populace of the state.

The department offers programs of study leading to the Bachelor of Science degree in Physics and the Master of Science degree in Physics, which may include emphasis areas in Polymer Physics or Computational Science. Information relating to the MS degrees may be found in the Graduate Bulletin.

A baccalaureate program with an undergraduate major in physics with Secondary Teacher Certification is also provided. Students interested in physics teaching certification should seek advisement in the Department of Physics & Astronomy.

Leaflets giving outlines of undergraduate programs that will meet all departmental and University requirements are available from the Physics Department Office. Students planning to major or minor in physics should obtain these leaflets as soon as possible.

All physics majors are expected to perform research.

It is assumed that the high school mathematical preparation of entering freshman physics students includes algebra, geometry, and trigonometry.

PACE DEGREE PLAN

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Physics (Certification) 291

Requirements for a Minor in Physics

The Undergraduate Laboratory and Curriculum Committee of the Department of Physics and Astronomy recommend that a student desiring a minor in Physics take any courses totaling at least eighteen (18) hours in the physics curriculum with the exception of the following courses: PHY 103, 328, 392, 435, 451, 455, 460, 471, 485 and 499.

DEPARTMENT OF POLYMER SCIENCE

Robert Y. Lochhead, Chair
Hattiesburg, MS 39406-0076
(601) 266-4868
Griffin, Hester, Hoyle, Lescanec, McCormick, Mathias, Mauritz, R.B. Moore, Porter, Storey, Thames

The Department of Polymer Science offers programs of study leading to the degrees of the Bachelor of Science in Polymer Science, the Master of Science in Polymer Science, and the Doctor of Philosophy in Polymer Science. The Department was awarded Commendation status by the Board of Trustees in 1983 as a result of a state-wide five year program review. For information concerning the master's and Doctor of Philosophy degrees, see the Graduate Bulletin.

The objective of the undergraduate curriculum is to prepare the graduate to enter the industrial community or to continue his or her studies at the graduate level. The Bachelor of Science in Polymer Science constitutes an interdisciplinary program of study and, therefore, no minor is required. No polymer science course in which a student receives a grade less than "C" will count toward the polymer science major.

PACE DEGREE PLAN

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Polymer Science 292

FORENSIC SCIENCE PROGRAM

Gerald A. Mattson, Director
Hattiesburg, MS 39406-0076
(601) 266-6027

Requirements for a Minor in Forensic Science

Students pursing a minor in Forensic Science must complete a minimum of eighteen (18) hours. These hours must include FSC 341 and 341L and fourteen (14) hours of electives to be selected from the following courses: FSC 140, 140L, 340, 345, 345L, 430, 440, 442, 442L, 491, 491L, 497 (3 hours maximum), CHE 420, CHE 420L, MTC 300, and MTC 300L.

PREMEDICAL AND HEALTH PROFESSIONS OFFICE

PACE Program Plans

PRE-CYTOTECHNOLOGY (65 HRS)

01 BSC 110/110L, BSC 111/111L
02 BSC 380/380L
03 SELECT 8 HRS OF LABORATORY COURSES FROM DEPT OF BSC
04 CHE 106/106L, CHE 107/107L
05 ENG 101, ENG 102
06 SELECT 2 COURSES FROM: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
07 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
08 SELECT 3 HOURS FROM DEPTS OF ANT, ECO, GHY, HIS, PS, PSY OR SOC.
09 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
10 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS 65 HRS OR MORE

PRE-DENTAL (90 HRS)

01 BSC 110L, BSC 111/111L
02 CHE 106/106L, CHE 107/107L
03 CHE 255/255L, CHE 256/256L
04 PHY 111/111L, PHY 112/112L
05 ENG 101, ENG 102
06 SELECT 2 COURSES FROM: ENG 203, ENG 332, ENG 333, SCM 111, SCM 305, SCM 320 OR SCM 330
07 SELECT 2 COURSES FROM: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
08 SELECT 6 HOURS FROM DEPTS OF PSY, SOC OR ANT
09 SELECT 4 HOURS COURSE LEVEL 300-400 FROM DEPTS OF BSC OR CHE
10 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS 90 HOURS OR MORE

PRE-DENTAL HYGIENE (63 HRS)

01 BSC 110/110L, BSC 380/380L
02 BSC 250/250L, BSC 251/251L
03 CHE 106/106L, CHE 251/251L
04 ENG 101, ENG 102
05 MAT 101
06 PSY 110
07 PSY 370 OR PSY 372 OR PSY 375 OR PSY 436
08 SOC 101
09 SCM 111, SCM 305, SCM 320 OR SCM 330
10 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
11 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
12 SELECT 9 HOURS FROM DEPTS OF ANT, ECO, GHY, HIS, PS, PSY OR SOC EXCEPT COURSES PSY 110 AND SOC 101

PRE-HEALTH INFORMATION MANAGEMENT (65 HRS)

01 ENG 101, ENG 102
02 SELECT 2 COURSES FROM: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
03 CSC 100
04 BSC 110/110L, BSC 111/111L
05 BSC 250/250L, BSC 251/251L
06 PSY 110
07 SCM 111, SCM 305, SCM 320 OR SCM 330
08 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
09 ACC 200, ACC 300
10 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
11 MGT 300
12 SELECT 10 HRS OF ELECTIVES SO THAT TOTAL PROGRAM EQUALS 65 HRS OR MORE.

PRE-MEDICAL (90 HRS)

01 BSC 110/110L, BSC 111/111L
02 CHE 106/106L, CHE 107/107L
03 CHE 255/255L, CHE 256/256L
04 PHY 111/111L, PHY 112/112L
05 ENG 101, ENG 102
06 SELECT 2 COURSES FROM: MAT 101, MAT 103, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
07 SELECT 8 HOURS COURSE LEVEL 300-400 FROM DEPTS OF BSC, CHE, MAT, PHY AND PSC
08 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS 90 HOURS OR MORE

PREMEDICAL AND HEALTH PROFESSIONS OFFICE

PACE Program Plans

PRE-OCCUPATIONAL THERAPY (65 HRS)

01 BSC 110/110L, BSC 111/111L
02 COMPLETE EITHER: BSC 361/361L OR BSC 250/250L AND BSC 251/251L
03 CHE 106/106L
04 PHY 111/111L
05 ENG 101, ENG 102
06 MAT 101
07 PSY 110
08 PSY 370 OR PSY 372 OR PSY 375 OR PSY 436
09 SCM 111, SCM 305, SCM 320 OR SCM 330
10 SELECT 6 HRS FROM DEPT OF SOC
11 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
12 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
13 SELECT ENOUGH ELECTIVES SO THAT TOTAL HOURS EQUAL 65 OR MORE

PRE-OPTOMETRY (90 HRS)

01 BSC 110/110L, BSC 111/111L
02 BSC 380/380L
03 CHE 106/106L, CHE 107/107L
04 CHE 255/255L, CHE 256/256L
05 PHY 111/111L, PHY 112/112L
06 SELECT 5-6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 169
07 SELECT 1 COURSE FROM: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
08 ENG 101, ENG 102
09 SELECT 6 HOURS FROM DEPTS OF ANT, ECO, GHY, PS, PSY OR SOC EXCEPT COURSE PSY 110
10 PSY 110
11 PSY 360 OR CSS 211 (STATISTICS)
12 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS AT LEAST 90 HRS. RECOMMENDED COURSES INCLUDE BSC 380, BSC 451, CHE 420, CHE 421, ENG 203, PSY 370 OR PSY 436

PRE-PHARMACY (65 HRS)

01 BSC 110/110L, BSC 111/111L
02 CHE 106/106L, CHE 107/107L
03 CHE 255/255L, CHE 256/256L
04 PHY 111/111L, PHY 112/112L
05 ENG 101, ENG 102
06 MAT 167 OR MAT 178 OR MAT 314 (CALCULUS)
07 SELECT 6 HRS FROM DEPTS OF ANT, ECO, GHY, PS, PSY OR SOC
08 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
09 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
10 ACC 200
11 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
12 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS 65 HRS OR MORE

PRE-PHYSICAL THERAPY (65 HRS)

01 BSC 110/110L, BSC 111/111L
02 COMPLETE EITHER: BSC 361/361L OR BSC 250/250L AND BSC 251/251L
03 CHE 106/106L, CHE 107/107L
04 PHY 111/111L, PHY 112/112L
05 ENG 101, ENG 102
06 MAT 101
07 SCM 111, SCM 305, SCM 320 OR SCM 330
08 PSY 110
09 PSY 370 OR PSY 372 OR PSY 375 OR PSY 436
10 SELECT 3 HRS FROM DEPTS OF ANT, ECO, GHY, HIS, PS OR SOC
11 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
12 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
13 SELECT ENOUGH ELECTIVES SO THAT TOTAL PROGRAM EQUALS 65 HRS OR MORE

PRE-VETERINARY (68 HRS)

01 BSC 110/110L, BSC 360, BSC 370, BSC 380/380L
02 CHE 106/106L, CHE 107/107L
03 CHE 255/255L, CHE 420/420L
04 PHY 111/111L OR PHY 201/201L
05 ENG 101, ENG 102
06 SELECT 2 COURSES FROM: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
07 SELECT 6 HRS FROM DEPTS OF ANT, ECO, GHY, PS, PSY OR SOC
08 SELECT 6 HOURS FROM DEPTS OF HIS, ENG, PHI OR REL EXCEPT COURSES ENG 101 OR 102
09 AA 100, ART 130, DAN 107, MUS 365 OR THE 100
10 SCM 111, SCM 305, SCM 320 OR SCM 330
11 NFS 362

ARCHITECTURAL ENGINEERING TECHNOLOGY

Pace Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 PHY 111/111L OR PHY 201/201L OR CHE 106/106L OR GLY 101/101L
- 02 PHY 112/112L OR PHY 202/202L OR CHE 107/107L OR GLY 103/103L
- 03 ENT 430
- 04 SELECT 3 HRS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (16 HRS)
- 01 ENT 120
- 02 ENT 240
- 03 ENT 320
- 04 ENT 340/340L
- 05 ENT 420

07. EMPHASIS AREA REQUIREMENTS (60 HRS)
- 01 ACT 132/132L
- 02 ACT 204
- 03 ACT 235/235L
- 04 ACT 261/261L or ACT 262/262L
- 05 ACT 315
- 06 ACT 316
- 07 ACT 322
- 08 ACT 323/323L
- 09 ACT 325
- 10 ACT 336/336L
- 11 ACT 343
- 12 ACT 363/363L
- 13 ACT 364/364L
- 14 ACT 400
- 15 ACT 401
- 16 ACT 426
- 17 ACT 465/465L
- 18 BCT 445/445L
- 19 BCT 454/454L

08. OTHER REQUIRED COURSES (3 HRS)
- 01 MAT 137

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 134 Hours in Program

COMPUTER ENGINEERING TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15-17 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 CHE 104/104L OR CHE 106/106L
- 04 ENT 330

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. EMPHASIS AREA REQUIREMENTS (70 HRS)
- 01 CET 240/240L
- 02 CET 301/301L
- 03 CET 302/302L
- 04 CET 316/316L
- 05 CET 323
- 06 CET 400
- 07 CET 401
- 08 CET 471/471L
- 09 CET 472/472L
- 10 CET 477/477L
- 11 CET 478/478L
- 12 CSS 333
- 13 CSS 334
- 14 CSS 350
- 15 EET 110/110L
- 16 EET 111/111L
- 17 EET 120/120L
- 18 EET 200/200L
- 19 EET 210/210L
- 20 EET 211/211L
- 21 EET 312/312L

08. OTHER REQUIRED COURSES (9 HRS)
- 01 ENG 333
- 02 MAT 137
- 03 SELECT 1 COURSE FROM ACT, BCT, CET, EET, ENT, IET, MFG OR MET (TECHNICAL ELECTIVE).

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 135 Hours in Program

COMPUTER ENGINEERING TECHNOLOGY (SOFTWARE)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 333
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 ANY ONE GROUP (TWO-COURSE SEQUENCE):
  - AST 111/111L, AST 112/112L
  - BSC 110/110L, BSC 111/111L
  - BSC 250/250L, BSC 251/251L
  - CHE 106/106L, CHE 107/107L
  - GLY 101/101L, GLY 103/103L
  - PHY 111/111L, PHY 112/112L
  - PHY 201/201L, PHY 202/202L
- 02 ESC 301
- 03 ENT 430

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. EMPHASIS AREA REQUIREMENTS (25 HRS)
- 01 CET 302/302L
- 02 CET 370/370L
- 03 CET 400
- 04 CET 401
- 05 CET 471/471L
- 06 CSC 411
- 07 CSC 414/414L
- 08 CSS 334
- 09 CSS 350

08. OTHER REQUIRED COURSES (15 HRS)
- 01 ACC 200
- 02 BA 200
- 03 ENG 333
- 04 FIN 300 OR MGT 300 OR MKT 300
- 05 MAT 137

09. MINOR AREA OF STUDY (OPTIONAL)

10. TECHNICAL ELECTIVES (35 HRS)
- 01 COMPLETE 35 HOURS OF APPROVED TECHNICAL ELECTIVES

Minimum of 130 Hours in Program

CONSTRUCTION ENGINEERING TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 GLY 101/101L
- 02 GLY 103/103L
- 03 ENT 430
- 04 SELECT 3 HRS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (13 HRS)
- 01 ENT 120
- 02 ENT 240
- 03 ENT 320
- 04 ENT 340/340L

07. EMPHASIS AREA REQUIREMENTS (55 HRS)
- 01 ACT 132/132L
- 02 ACT 204
- 03 ACT 235/235L
- 04 ACT 315
- 05 ACT 316
- 06 ACT 343
- 07 BCT 205/205L
- 08 BCT 336/336L
- 09 BCT 374
- 10 BCT 400
- 11 BCT 445
- 12 BCT 454/454L
- 13 BCT 455/455L
- 14 BCT 458/458L
- 15 BCT 476
- 16 BCT 477
- 17 BCT 480

08. OTHER REQUIRED COURSES (12 HRS)
- 01 ACC 200
- 02 BA 200
- 03 MAT 137
- 04 MET 323

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 135 Hours in Program

ELECTRONICS ENGINEERING TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15-17 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 CHE 104/104L OR CHE 106/106L
- 04 ENT 330

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (3 HRS)
- 01 ENT 120

07. EMPHASIS AREA REQUIREMENTS (66 HRS)
- 01 CET 240/240L
- 02 CET 301/301L
- 03 CET 302/302L
- 04 CET 316/316L
- 05 CET 323
- 06 CET 420/420L
- 07 CET 477/477L
- 08 EET 110/110L
- 09 EET 111/111L
- 10 EET 120/120L
- 11 EET 200/200L
- 12 EET 210/210L
- 13 EET 211/211L
- 14 EET 230/230L
- 15 EET 312/312L
- 16 EET 315/315L
- 17 EET 342/342L OR EET 461
- 18 EET 400
- 19 EET 401
- 20 EET 412/412L

08. OTHER REQUIRED COURSES (9 HRS)
- 01 ENG 333
- 02 MAT 137
- 03 SELECT 1 COURSE FROM ACT, BCT, CET, EET, ENT, IET, MFG OR MET (TECHNICAL ELECTIVE).

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 134 Hours in Program

INDUSTRIAL ENGINEERING TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15-17 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 CHE 104/104L OR CHE 106/106L
- 04 ENT 430

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (23 HRS)
- 01 ENT 100
- 02 ENT 110
- 03 ENT 120
- 04 ENT 240
- 05 ENT 320
- 06 ENT 340/340L
- 07 ENT 470/470L

07. EMPHASIS AREA REQUIREMENTS (40 HRS)
- 01 IET 300/300L
- 02 IET 302
- 03 IET 310/310L
- 04 IET 400
- 05 IET 405
- 06 IET 407
- 07 IET 408
- 08 IET 409
- 09 IET 410/410L
- 10 IET 460/460L
- 11 IET 480
- 12 MET 362
- 13 MET 420/420L

08. OTHER REQUIRED COURSES (12 HRS)
- 01 CSS 211
- 02 ENG 333
- 03 MAT 137
- 04 SELECT 1 COURSE FROM MGT 300 OR MGT 464 OR MGT 465 OR IVE 462 OR ANY IET COURSE.

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 131 Hours in Program

INDUSTRIAL ENGINEERING TECHNOLOGY
(MANUFACTURING EMPHASIS)
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 ENT 430
- 04 SELECT 3 HRS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY.

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (16 HRS)
- 01 ENT 100
- 02 ENT 120
- 03 ENT 320
- 04 ENT 420
- 05 ENT 470/470L

07. EMPHASIS AREA REQUIREMENTS (34 HRS)
- 01 IET 300/300L
- 02 IET 302
- 03 IET 310/310L
- 04 IET 400
- 05 IET 405
- 06 IET 407
- 07 IET 408
- 08 IET 409
- 09 IET 410/410L
- 10 IET 480
- 11 MET 420/420L

08. OTHER REQUIRED COURSES (24 HRS)
- 01 CSS 211
- 02 ENG 333
- 03 MAT 137
- 04 SELECT 15 HOURS COURSE LEVEL 300 OR 400 FROM DEPTS OF ACT, BCT, CET, ELT, INT, MET OR MFG. (COURSES MUST BE APPROVED BY PROGRAM COORDINATOR.)

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 129 Hours in Program

INDUSTRIAL TRAINING
(COMPUTER TECHNOLOGY)
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111
- 04 CSS 333
- 05 MAT 101

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR PSY 314

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 SELECT 2 LAB SCIENCES FROM: AST 111/111L, AST 112/112L, BSC 110/110L, BSC 111/111L, CHE 104/104L, CHE 106/106L, CHE 107/107L, GLY 101/101L, GLY 103/103L, PHY 111/111L, PHY 112/112L
- 02 MAT 103

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MATHEMATICS AND ENGINEERING TECHNOLOGY CORE (9 HRS)
- 01 ENT 120
- 02 MAT 136
- 03 MAT 137

07. TRAINING AND DEVELOPMENT CORE (30 HRS)
- 01 ADE 476
- 02 PHI 300
- 03 TOE 241
- 04 TOE 442
- 05 TOE 443
- 06 TOE 445
- 07 TOE 446
- 08 TOE 447
- 09 TOE 465
- 10 TOE 469

08. TECHNICAL CONCENTRATION (43 HRS)
- 01 CSS 334
- 02 CET 350
- 03 CET 370/370L
- 04 CET 371/371L
- 05 CET 450
- 06 CET 460/460L
- 07 CET 471/471L
- 08 CET 475/475L
- 09 CET 496
- 10 ENT 320
- 11 ENT 420
- 12 ENT 450/450L

Minimum of 128 Hours in Program

INDUSTRIAL TRAINING
(CONSTRUCTION)
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111
- 04 CSS 240 OR CSS 333
- 05 MAT 101

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 PHY 111/111L
- 02 CHE 104/104L
- 03 MAT 103

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MATHEMATICS AND ENGINEERING TECHNOLOGY CORE (9 HRS)
- 01 ENT 120
- 02 MAT 136
- 03 MAT 137

07. TRAINING AND DEVELOPMENT CORE (30 HRS)
- 01 ADE 476
- 02 PHI 300
- 03 TOE 241
- 04 TOE 442
- 05 TOE 443
- 06 TOE 445
- 07 TOE 446
- 08 TOE 447
- 09 TOE 465
- 10 TOE 469

08. TECHNICAL CONCENTRATION (43 HRS)
- 01 ACT 343
- 02 BCT 445
- 03 BCT 454/454L
- 04 BCT 458/458L
- 05 BCT 476
- 06 BCT 477
- 07 BCT 478
- 08 BCT 496
- 09 ENT 320
- 10 ENT 350
- 11 ENT 420
- 12 ENT 450/450L

Minimum of 128 Hours in Program

INDUSTRIAL TRAINING
(ENVIRONMENTAL SCIENCE)
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111
- 04 CSS 240 OR CSS 333
- 05 MAT 101

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR PSY 314

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 CHE 106/106L AND CHE 107/107L
- 02 MAT 103

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MATHEMATICS AND ENGINEERING TECHNOLOGY CORE (9 HRS)
- 01 ENT 120
- 02 MAT 136
- 03 MAT 137

07. TRAINING AND DEVELOPMENT CORE (30 HRS)
- 01 ADE 476
- 02 PHI 300
- 03 TOE 241
- 04 TOE 442
- 05 TOE 443
- 06 TOE 445
- 07 TOE 446
- 08 TOE 447
- 09 TOE 465
- 10 TOE 469

08. TECHNICAL CONCENTRATION (42 HRS)
- 01 CSS 211
- 02 ENT 320
- 03 ESC 250
- 04 ESC 301
- 05 ESC 302
- 06 ESC 330
- 07 ESC 350
- 08 ESC 351
- 09 ESC 405
- 10 ESC 431/431L
- 11 ESC 450
- 12 ESC 496
- 13 GLY 306

Minimum of 128 Hours in Program

INDUSTRIAL TRAINING
(INDUSTRIAL/MANUFACTURING)
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111
- 04 CSS 240 OR CSS 333
- 05 MAT 101

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (11 HRS)
- 01 PHY 111/111L
- 02 CHE 104/104L
- 03 MAT 103

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MATHEMATICS AND ENGINEERING TECHNOLOGY CORE (9 HRS)
- 01 ENT 120
- 02 MAT 136
- 03 MAT 137

07. TRAINING AND DEVELOPMENT CORE (30 HRS)
- 01 ADE 476
- 02 PHI 300
- 03 TOE 241
- 04 TOE 442
- 05 TOE 443
- 06 TOE 445
- 07 TOE 446
- 08 TOE 447
- 09 TOE 465
- 10 TOE 469

08. TECHNICAL CONCENTRATION (42 HRS)
- 01 BCT 454/454L
- 02 ENT 320
- 03 ENT 350
- 04 ENT 450/450L
- 05 IET 300/300L
- 06 IET 310/310L
- 07 IET 405/405L
- 08 IET 409/409L
- 09 IET 450
- 10 IET 451/451L
- 11 IET 496
- 12 MET 410/410L

Minimum of 128 Hours in Program

MECHANICAL ENGINEERING TECHNOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240 OR CSS 330
- 05 MAT 101
- 06 MAT 103
- 07 MAT 136

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 ENT 390
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR PSY 110 OR PSY 375 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15-17 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 CHE 104/104L OR CHE 106/106L
- 04 ENT 330

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. ENGINEERING TECHNOLOGY CORE (27 HRS)
- 01 ENT 100
- 02 ENT 110
- 03 ENT 120
- 04 ENT 240
- 05 ENT 320
- 06 ENT 340/340L
- 07 ENT 430/430L
- 08 ENT 470/470L

07. EMPHASIS AREA REQUIREMENTS (38 HRS)
- 01 IET 300/300L
- 02 IET 302
- 03 IET 310/310L
- 04 IET 407
- 05 IET 408
- 06 MET 322
- 07 MET 323/323L
- 08 MET 331/331L
- 09 MET 362
- 10 MET 400
- 11 MET 410
- 12 MET 420/420L

08. OTHER REQUIRED COURSES (9 HRS)
- 01 CSS 211
- 02 ENG 333
- 03 MAT 137

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 130 Hours in Program

PRE-ENGINEERING
PACE Program Plan

01. REASONING AND COMMUNICATION SKILLS (22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 320
- 04 CSS 240
- 05 SELECT 1 GROUP FROM: (MAT 167, MAT 168 AND MAT 169) OR (MAT 178 AND MAT 179)

02. HUMANITIES AND FINE ARTS (9 HRS)
- 01 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100
- 02 SELECT 2 COURSES FROM ONE GROUP BELOW:

(HIS 101, 102) OR (HIS 140, 141)
ENG 203, 340, 350, 351, 370, 371, 372
REL 131, 333, 335, 435, 436
PHI 151, 253, 300, 316
FOREIGN LANGUAGE (CHI, FRE, GER, GRK, ITA, JPN, LAT, RUS, OR SPA)

03. SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:

ANT 101 OR ANT 221
ECO 201 OR ECO 202
GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
PS 101 OR PS 220 OR PS 331 OR PS 425
PSY 110 OR PSY 375
SOC 101 OR SOC 240 OR SOC 314

- 02 SELECT A THIRD COURSE FROM ONE OF THE DEPTS CHOSEN ABOVE.

04. NATURAL AND APPLIED SCIENCES (24 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 PHY 201, PHY 201L
- 04 PHY 202, PHY 202L
- 05 MAT 280
- 06 MAT 385

05. MAJOR/EMPHASIS REQUIREMENTS (6 HRS)
- 01 ENT 100
- 02 ENT 260
- 03 ENT 360, ENT 360L

06. PRE-ENGINEERING ELECTIVES (VARIES)
- 01 ELECTIVES SHOULD BE CHOSEN BASED ON THE ENGINEERING SPECIALIZATION.

AERO- MAT 316 or 326, MAT 415
BIO- BSC 110/L, 111/L, CHE 251/L
CHEM- CHE 255/L, 256/L, 461/L, 462/L
CIVIL - ENT 390
COMPU - CSC 101/L, 102/L, CSS 330, 333, 340, 343, 350, MAT 316 OR 326, PHY 361/L
ELEC- CSS 330, MAT 316 OR 326, PHY 361/L
INDU- ENT 390, MAT 316 OR 326, ECO 201, 202
MECH- ENT 390

Minimum of 128 Hours in Program

BIOLOGICAL SCIENCES
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (21-22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 211 OR CSS 240 OR CSS 330 OR PHI 253
- 05 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 06 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (36 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 201, BSC 201L
- 04 BSC 226, BSC 226L
- 05 BSC 360
- 06 BSC 370
- 07 BSC 380, BSC 380L
- 08 SELECT 3 - 5 HRS FROM COURSES BSC 431, BSC 431L, BSC 450, BSC 451, BSC 452, BSC 453, BSC 454L, BSC 487, BSC 487L. (PHYSIOLOGY GROUP)
- 09 SELECT 3 HRS FROM COURSES BSC 382, BSC 435, BSC 435L, BSC 440, BSC 440L, BSC 441, BSC 441L, BSC 442, BSC 443, BSC 443L. (ECOLOGY GROUP)
- 10 SELECT 2 - 4 HOURS COURSE LEVEL 300 OR 400 FROM DEPT OF BSC.
- 11 BSC 497

07. OTHER REQUIRED COURSES (25-27 hrs)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (23-26 hrs)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

BIOLOGICAL SCIENCES (CERTIFICATION)

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (24-25 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333 OR ENG 332
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330 OR CSS 400
- 06 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 07 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 42
  - GRP 5: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (36-37 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 201, BSC 201L
- 04 BSC 226, BSC 226L
- 05 BSC 360
- 06 BSC 370
- 07 BSC 380, BSC 380L
- 08 BSC 450 OR BSC 431/BSC 431L (PHYSIOLOGY GROUP)
- 09 SELECT 3 HRS FROM COURSES BSC 382, BSC 435, BSC 435L, BSC 440, BSC 440L, BSC 441, BSC 441L, BSC 442, BSC 443, BSC 443L. (ECOLOGY GROUP)
- 10 BSC 495, BSC 495L

07. OTHER REQUIRED COURSES (29-31 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L
- 07 GLY 101, GLY 101L

09. MINOR AREA OF STUDY (OPTIONAL)

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 400, REF 469, SPE 400
- 02 CIS 313
- 03 SCE 460
- 04 SCE 489, SCE 490 (STUDENT TEACHING)

Minimum of 141 Hours in Program

ENVIRONMENTAL BIOLOGY

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (21 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330 OR PHI 253
- 06 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 07 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (38 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 201, BSC 201L
- 04 BSC 226, BSC 226L
- 05 BSC 370
- 06 BSC 380, BSC 380L
- 07 SELECT 3 - 5 HRS FROM COURSES BSC 360, BSC 431, BSC 431L, BSC 450, BSC 451, BSC 452, BSC 453, BSC 454L, BSC 487, BSC 487L (PHYSIOLOGY GROUP)
- 08 SELECT 3 HOURS FROM COURSES BSC 382, BSC 435, BSC 435L, BSC 440, BSC 440L, BSC 441, BSC 441L, BSC 442 (ECOLOGY GROUP)
- 09 SELECT 6 HRS FROM COURSES BSC 408, BSC 408L, BSC 409, BSC 409L, BSC 411, BSC 411L, BSC 413, BSC 413L, BSC 414, BSC 414L, BSC 415, BSC 415L, BSC 417, BSC 417L, BSC 418, BSC 418L, BSC 419, BSC 419L, BSC 426, BSC 426L, BSC 427, BSC 427L, BSC 428, BSC 428L, BSC 429, BSC 429L, BSC 430, BSC 430L, BSC 433, BSC 433L, BSC 434, BSC 434L
- 10 SELECT 3 HRS FROM COURSES BSC 305, BSC 416, BSC 416L, BSC 443, BSC 443L, BSC 444, BSC 444L, BSC 445, BSC 445L, BSC 455, BSC 455L, BSC 489, BSC 489L
- 11 BSC 497

07. OTHER REQUIRED COURSES (28-30 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L
- 07 PSY 360

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (16-19 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER

Minimum of 128 Hours in Program

MARINE BIOLOGY

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (21-22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 211 OR CSS 240 OR CSS 330 OR PHI 253
- 05 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 06 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (36 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 201, BSC 201L
- 04 BSC 370
- 05 BSC 380, BSC 380L
- 06 BSC 450 OR BSC 452 OR BSC 453
- 07 BSC 454L (MUST BE TAKEN CONCURRENTLY WITH EITHER BSC 450 OR 452 OR 453)
- 08 SELECT 1 COURSE FROM GROUP I BELOW.
- 09 SELECT 1 COURSE FROM GROUP II BELOW.
- 10 SELECT ADDITIONAL HRS FROM GROUPS I-III BELOW SO THAT BSC ELECTIVES EQUAL 11 HOURS; IT IS RECOMMENDED THAT ONE COURSE BE TAKEN AT THE GULF COAST RESEARCH LAB (GROUP III).
  - GRP I: 408, 409, 414, 415, 427, 430, 476, 478L, 487
  - GRP II: 382, 416, 440, 441, 445, 446, 489
  - GRP III: 421, 424, 425, 437, 438, 439, 447, 448, 449, 468, 490
- 11 BSC 497

07. OTHER REQUIRED COURSES (25-27 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (23-26 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER

Minimum of 128 Hours in Program

MICROBIOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (24-25 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 240 OR CSS 330
- 05 CSS 211
- 06 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 07 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (46 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 370
- 04 BSC 380, BSC 380L
- 05 BSC 484, BSC 484L
- 06 BSC 486, BSC 486L
- 07 BSC 477, BSC 477L
- 08 BSC 487, BSC 487L
- 09 SELECT 4 HRS FROM COURSES BSC 478L, BSC 481, BSC 481L, BSC 488, BSC 488L, BSC 489, BSC 489L (APPLIED MICROBIOLOGY)
- 10 SELECT 3 HRS FROM COURSES BSC 382, BSC 476, BSC 482, BSC 482L, BSC 485, BSC 485L (ADVANCED MICROBIOLOGY)
- 11 SELECT 6 HRS COURSE LEVEL 300 OR 400 FROM DEPT OF BSC (RECOMMENDED COURSES INCLUDE THOSE LISTED ABOVE IN THE APPLIED MICRO AND ADVANCED MICRO GROUPS PLUS BSC 360, 403/L, 410/L, 412/L, 426/L, 427/L, 462/L, 463/L, 464/L, 467/L.)
- 12 BSC 497

07. OTHER REQUIRED COURSES (8-10 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L

09. CHEMISTRY MINOR (28 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 CHE 311, CHE 311L
- 06 CHE 421
- 07 CHE 422

11. ELECTIVES (0-2 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

MOLECULAR BIOLOGY

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (21-22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 211 OR CSS 240 OR CSS 330 OR PHI 253
- 05 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 06 SELECT 1 COURSE FROM COURSES: MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (39 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 BSC 370
- 04 BSC 380, BSC 380L
- 05 BSC 476
- 06 BSC 477, BSC 477L
- 07 BSC 478L
- 08 BSC 487, BSC 487L
- 10 SELECT AT LEAST 17 HOURS FROM UPPER-LEVEL BSC AND CHE COURSES; RECOMMENDED COURSES INCLUDE BSC 360, BSC 469/L, BSC 471/L, BSC 484/L, BSC 486/L, CHE 311/L, CHE 361, CHE 461/L AND CHE 462/L, WITH AT LEAST 5 HOURS FROM BSC.
- 11 BSC 497

07. OTHER REQUIRED COURSES (8-13 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L
- 03 PSY 360 (IF CSS 211 WAS NOT TAKEN TO SATISFY THE AREA 01 - REASONING SKILLS - REQUIREMENT OF THE UNIVERSITY CORE)

09. CHEMISTRY MINOR (27 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 CHE 421, CHE 421L
- 06 CHE 422, CHE 422L

11. ELECTIVES (8-13 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

CHEMISTRY (ACS-CERTIFIED PROGRAM)

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (25 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330
- 06 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (50 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 CHE 311, CHE 311L
- 06 CHE 400
- 07 CHE 411, CHE 411L
- 08 CHE 421, CHE 421L
- 09 CHE 431, CHE 431L
- 10 CHE 331
- 11 CHE 461, CHE 461L
- 12 CHE 462, CHE 462L
- 13 SELECT 3 HOURS FROM COURSES CHE 494 OR CHE 496 (INTERNSHIP OR RESEARCH)

07. OTHER REQUIRED COURSES (13 HRS)
- 01 PHY 201, PHY 201L
- 02 PHY 202, PHY 202L
- 03 MAT 385

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (20 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

BIOCHEMISTRY

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (24-25 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330
- 06 SELECT 5 - 6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 07 SELECT 1 COURSE FROM COURSES: MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (67 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 CHE 311, CHE 311L
- 06 CHE 361 OR (CHE 461, CHE 461L)
- 07 CHE 421, CHE 421L
- 08 CHE 422, CHE 422L
- 09 SELECT 4 HRS FROM CRS TOX 470, CHE 331, CHE 400, CHE 404, CHE 410, CHE 411, CHE 411L, CHE 423, CHE 431, CHE 431L, CHE 451, CHE 451L, CHE 462, CHE 462L
- 10 SELECT 3 HOURS FROM COURSES CHE 492, CHE 494 OR CHE 496 (RESEARCH OR INTERNSHIP)
- 11 BSC 110, BSC 110L
- 12 BSC 111, BSC 111L
- 13 BSC 370
- 14 BSC 380, BSC 380L
- 15 BSC 486, BSC 486L
- 16 SELECT 4 HOURS COURSE LEVEL 300 OR 400 FROM DEPT OF BSC.

07. OTHER REQUIRED COURSES (8-10 HRS)
- 01 PHY 111/111L OR PHY 201/201L
- 02 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (6-9 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

CHEMISTRY

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (25 HRS)

01 ENG 101
02 ENG 102
03 ENG 333
04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
05 CSS 240 OR CSS 330
06 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179

02. HUMANITIES AND FINE ARTS (12 HRS)

01 HIS 101
02 HIS 102
03 ENG 203
04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)

01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
GRP 1: ANT 101 OR ANT 221
GRP 2: ECO 201
GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
GRP 5: PSY 110 OR PSY 375
GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)

01 NFS 167
02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (45 HRS)

01 CHE 106, CHE 106L
02 CHE 107, CHE 107L
03 CHE 255, CHE 255L
04 CHE 256, CHE 256L
05 CHE 311, CHE 311L
06 CHE 400
07 CHE 411, CHE 411L
08 CHE 421
09 CHE 461, CHE 461L
10 CHE 462, CHE 462L
11 SELECT 3 HOURS FROM COURSES TOX 470, CHE 331, CHE 404, CHE 410, CHE 421L, CHE 422, CHE 422L, CHE 423, CHE 431, CHE 431L, CHE 451, CHE 451L
12 SELECT 3 HOURS FROM COURSES CHE 492, CHE 494 OR CHE 496 (RESEARCH OR INTERNSHIP)

07. OTHER REQUIRED COURSES (8-10 HRS)

01 PHY 111/111L OR PHY 201/201
02 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (28-30 HRS)

01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

CHEMISTRY (CERTIFICATION)

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (24-25 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333 OR ENG 332
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330
- 06 SELECT 5-6 HOURS FROM COURSES: MAT 101, MAT 103, MAT 128, MAT 167, MAT 168 OR MAT 178
- 07 SELECT 1 COURSE FROM COURSES: MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (36-37 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 331
- 04 CHE 255, CHE 255L
- 05 CHE 256, CHE 256L
- 06 CHE 311, CHE 311L
- 07 CHE 421/421L OR CHE 420/420L
- 08 CHE 461, CHE 461L
- 09 CHE 471, CHE 471L

07. OTHER REQUIRED COURSES (24-26 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 GLY 101, GLY 101L
- 04 GLY 103, GLY 103L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 400, REF 469, SPE 400
- 02 CIS 313
- 03 SCE 460
- 04 SCE 489, SCE 490 (STUDENT TEACHING)

Minimum of 136 Hours in Program

COMPUTER SCIENCE

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (19 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  GRP 1: ANT 101 OR ANT 221
  GRP 2: ECO 201
  GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  GRP 5: PSY 110 OR PSY 375
  GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 ANY 2 COURSE SEQUENCE: BSC 110, BSC 110L AND BSC 111, BSC 111L OR BSC 250, BSC 250L AND BSC 251, BSC 251L OR CHE 106, CHE 106L AND CHE 107, CHE 107L OR GLY 101, GLY 101L AND GLY 103, GLY 103L OR PHY 111, PHY 111L AND PHY 112, PHY 112L OR PHY 201, PHY 201L AND PHY 202, PHY 202L
- 02 SELECT 6 HOURS FROM: BSC 110/L, BSC 111/L, BSC 250/L, BSC 251/L, CHE 106/L, CHE 107/L, CHE 251/L, GLY 101/L, GLY 103/L, PHY 111/L, PHY 112/L, PHY 201/L, PHY 202/L, PSC 191, PSC 291, PSC 330

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (60 HRS)
- 01 CSC 101, CSC 101L
- 02 CSC 102, CSC 102L
- 03 CSC 203, CSC 203L
- 04 CSC 204, CSC 204L
- 05 CSC 306, CSC 306L
- 06 CSC 307
- 07 CSC 308
- 08 CSC 309
- 09 CSC 414, CSC 414L
- 10 CSC 413 OR CSC 415
- 11 SELECT 6 HOURS FROM COURSES CSC 205, CSC 410, CSC 411, CSC 412, CSC 413, CSC 415
- 12 SELECT 3 HOURS FROM COURSES MAT 280, 316-385, 415-442, 460-475, 485, CSC 320, CSC 422, PHY 327-465
- 13 SELECT 9 HOURS FROM AMONG: CSS 240, 320, 342, 343, 415-486, CSC 205, 301, 410-444, MAT 280, 316-385, 415-442, 460-475, 485, PHY 327-465 (NO MORE THAN 1 COURSE FROM CSS 240, 342, OR 343)
- 14 CSS 415 OR MAT 320
- 15 MAT 340 OR CSC 301

07. CHECKLIST OF CSC COURSES
- 01 A MINIMUM OF 43 HOURS OF APPROVED COMPUTER SCIENCE IS REQUIRED

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (13-15 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OF HIGHER

Minimum of 128 Hours in Program

COMPUTER SCIENCE (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (19 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  GRP 1: ANT 101 OR ANT 221
  GRP 2: ECO 201
  GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  GRP 5: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 ANY 2 COURSE SEQUENCE: BSC 110/110L AND BSC 111/111L OR BSC 250/ 250L AND BSC 251/ 251L OR CHE 106/ 106L AND CHE 107/107L OR GLY 101/101L AND GLY 103/103L OR PHY 111/111L AND PHY 112/112L OR PHY 201/ 201L AND PHY 202, PHY 202L
- 02 SELECT 6 HOURS FROM: BSC 110/L, BSC 111/L, BSC 250/L, BSC 251/L, CHE 106/L, CHE 107/L, CHE 251/L, GLY 101/L, GLY 103/L, PHY 111/L, PHY 112/L, PHY 201/L, PHY 202/L, PSC 191, PSC 291, PSC 330

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (60 HRS)
- 01 CSC 101, CSC 101L
- 02 CSC 102, CSC 102L
- 03 CSC 203, CSC 203L
- 04 CSC 204, CSC 204L
- 05 CSC 306, CSC 306L
- 06 CSC 307
- 07 CSC 308
- 08 CSC 309
- 09 CSC 414, CSC 414L
- 10 CSC 413 OR CSC 415
- 11 SELECT 6 HOURS FROM COURSES CSC 205, CSC 410, CSC 411, CSC 412, CSC 413, CSC 415
- 12 SELECT 3 HOURS FROM AMONG: MAT 280, 316-385, 415-442, 460-475, 485, CSC 320, CSC 422, PHY 327-465
- 13 SELECT 9 HOURS FROM AMONG: CSS 240, 320, 342, 343, 415-486, CSC 205, 301, 410-444, MAT 280, 316-385, 415-442, 460-475, 485, PHY 327-465 (NO MORE THAN 1 COURSE FROM CSS 240, 342, OR 343)
- 14 CSS 415 OR MAT 320
- 15 MAT 340 OR CSC 301

07. CHECKLIST OF CSC COURSES
- 01 A MINIMUM OF 43 HOURS OF APPROVED COMPUTER SCIENCE COURSES IS REQUIRED

09. MINOR AREA OF STUDY (OPTIONAL)

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 400, REF 469, SPE 400
- 02 CIS 313
- 03 CSS 400
- 04 CSS 498, CSS 499 (STUDENT TEACHING)

Minimum of 145 Hours in Program

STATISTICS

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (9 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  GRP 1: ANT 101 OR ANT 221
  GRP 2: ECO 201
  GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  GRP 5: PSY 110 OR PSY 375
  GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (14-16 HRS)
- 01 ANY 2 GROUPS: AST 111, AST 111L OR AST 112, AST 112L OR BSC 103, BSC 103L OR BSC 110, BSC 110L OR BSC 111, BSC 111L OR CHE 104, CHE 104L OR CHE 106, CHE 106L OR CHE 107, CHE 107L OR GLY 101, GLY 101L OR GLY 103, GLY 103L OR GLY 151, GLY 151L OR MAR 151, MAR 151L OR PHY 111, PHY 111L OR PHY 112, PHY 112L OR PHY 201, PHY 201L OR PHY 202, PHY 202L
- 02 SELECT 6 HOURS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (45 HRS)
- 01 CSC 100
- 02 CSS 240
- 03 CSC 320
- 04 CSS 330 OR CSC 101/101L
- 05 CSS 340 OR CSC 102/102L
- 06 CSS 350 OR CSC 307
- 07 CSS 415
- 08 CSS 416
- 09 CSS 417
- 10 CSS 418
- 11 CSC 422
- 12 CSC 425
- 13 CSC 435
- 14 IET 302
- 15 CSS 343

09. MATHEMATICS MINOR (19 HRS)
- 01 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179
- 02 MAT 320
- 03 MAT 326 OR MAT 316
- 04 MAT 340 OR CSC 301

11. ELECTIVES (21 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

GEOLOGY
PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (20-22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 240 OR CSS 330
- 05 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 167, MAT 168, CSS 211 OR MAT 178, MAT 179 OR MAT 178, CSS 211

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (47 HRS)
- 01 GLY 101, GLY 101L
- 02 GLY 103, GLY 103L
- 03 GLY 301, GLY 301L
- 04 GLY 304, GLY 304L
- 05 GLY 308, GLY 308L
- 06 GLY 311
- 07 GLY 341, GLY 341L
- 08 GLY 380
- 09 GLY 401
- 10 SELECT 12 HRS COURSE LEVEL 400 FROM DEPT OF GLY EXCEPT COURSES GLY 406 AND GLY 406L

07. OTHER REQUIRED COURSES (20-22 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 BSC 110, BSC 110L
- 04 PHY 111/111L OR PHY 201/201L
- 05 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (17-19 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

GEOLOGY (GENERAL SCIENCE CERTIFICATION)

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (29-31 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333 OR ENG 332
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240 OR CSS 330
- 06 MAT 101
- 07 MAT 103
- 08 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 167, MAT 168, CSS 211 OR MAT 178, MAT 179 OR MAT 178, CSS 211

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
- 01 (SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (38 HRS)
- 01 GLY 101, GLY 101L
- 02 GLY 103, GLY 103L
- 03 GLY 301, GLY 301L
- 04 GLY 304, GLY 304L
- 05 GLY 308, GLY 308L
- 06 GLY 306
- 07 GLY 341, GLY 341L
- 08 GLY 380
- 09 GLY 401
- 10 SELECT 6 HRS COURSE LEVEL 400 FROM DEPT OF GLY EXCEPT COURSES GLY 406 AND GLY 406L

07. OTHER REQUIRED COURSES (24-26 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 BSC 110, BSC 110L
- 04 BSC 111, BSC 111L
- 05 PHY 111/111L OR PHY 201/201L
- 06 PHY 112/112L OR PHY 202/202L

09. MINOR AREA OF STUDY (OPTIONAL)

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 5\400, REF 469, SPE 400
- 02 CSC 313
- 03 SCE 460
- 04 SCE 489, SCE 490 (STUDENT TEACHING)

Minimum of 143 Hours in Program

MATHEMATICS
PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  GRP 1: ANT 101 OR ANT 221
  GRP 2: ECO 201
  GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  GRP 5: PSY 110 OR PSY 375
  GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15-16 HRS)
- 01 PHY 201, PHY 201L
- 02 ANY 1 GROUP: AST 111, AST 111L OR AST 112, AST 112L OR BSC 103, BSC 103L OR BSC 110, BSC 110L OR BSC 111, BSC 111L OR CHE 104, CHE 104L OR CHE 106, CHE 106L OR CHE 107, CHE 107L OR GLY 101, GLY 101L OR GLY 103, GLY 103L OR GLY 151, GLY 151L OR MAR 151, MAR 151L OR PHY 202, PHY 202L
- 03 SELECT 6 HOURS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (37 HRS)
- 01 SELECT 1 GROUP FROM: MAT 167, MAT 168 AND MAT 169 OR MAT 178 AND MAT 179
- 02 MAT 280
- 03 MAT 340
- 04 MAT 326
- 05 MAT 385
- 06 SELECT 15 HOURS FROM DEPT OF MAT EXCEPT CRS MAT 090 - MAT 316, MAT 326 - MAT 410, MAT 481, MAT 457. (THESE COURSES MUST INCLUDE MAT 415 OR 426 OR ONE OF THE SEQUENCES 320-420, 418-419, 423-424, 430-431, 441-442 OR 460-461.)

07. OTHER REQUIRED COURSES (6-8 HRS)
- 01 SELECT 6 - 8 HOURS FROM COURSES CSC 101, CSC 101L, CSC 102, CSC 102L, CSS 240, CSS 330, CSS 340, CSS 342, CSS 402.

09. MINOR AREA OF STUDY (18 HRS)

11. ELECTIVES (17-20 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

MATHEMATICS (CERTIFICATION)

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 212 OR ANT 221, ECO 201, GHY 101 OR GHY 102 OR GHY 331, PS 101 OR PS 220 OR PS 331 OR PS 425, SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (15 HRS)
- 01 PHY 201, PHY 201L
- 02 BSC 103, BSC 103L OR BSC 110, BSC 110L
- 03 SELECT 6 HOURS FROM DEPTS OF AST, BSC, CHE, ESC, GLY, MAR OR PHY

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS AREA REQUIREMENTS (40 HRS)
- 01 SELECT 1 GROUP FROM: MAT 167, MAT 168 AND MAT 169 OR MAT 178 AND MAT 179
- 02 MAT 280
- 03 MAT 340
- 04 MAT 316 OR MAT 326
- 05 MAT 320
- 06 MAT 370
- 07 MAT 385
- 08 MAT 423
- 09 MAT 481
- 10 SELECT 6 HOURS FROM DEPT OF MAT EXCEPT CRS MAT 090 - MAT 316, MAT 326 - MAT 410, MAT 457, MAT 481, MAT 489, MAT 490. (THESE COURSES MUST INCLUDE MAT 415 OR 420 OR 426 OR ONE OF THE SEQUENCES 418-419, 423-424, 430-431, 441-442 OR 460-461.)

07. OTHER REQUIRED COURSES (6-8 HRS)
- 01 SELECT 6 - 8 HOURS FROM COURSES CSC 101, CSC 101L, CSC 102, CSC 102L, CSS 240, CSS 330, CSS 340, CSS 342, CSS 402.

09. MINOR AREA OF STUDY (OPTIONAL)

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 400, REF 469, SPE 400
- 02 CIS 313
- 03 MAT 457
- 04 MAT 489, MAT 490 (STUDENT TEACHING)

11. ELECTIVES (1-3 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

MEDICAL TECHNOLOGY

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (18 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 SELECT 6 HOURS FROM COURSES: MAT 101, MAT 102, MAT 167, MAT 168, MAT 169, MAT 178, MAT 179 OR MAT 314
- 05 CSS 240 OR CSS 330 OR CSS 400

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (102 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 370
- 03 BSC 380, BSC 380L
- 04 BSC 486
- 05 CHE 106, CHE 106L
- 06 CHE 107, CHE 107L
- 07 COMPLETE 1 GROUP: CHE 251, CHE 251L OR CHE 255, CHE 255L, CHE 256, CHE 256L
- 08 CHE 420, CHE 420L
- 09 MTC 101
- 10 MTC 300, MTC 300L
- 11 MTC 302, MTC 302L
- 12 MTC 306, MTC 306L
- 13 MTC 309, MTC 309L
- 14 MTC 401, MTC 401L
- 15 MTC 402, MTC 402L
- 16 MTC 403, MTC 403L
- 17 MTC 405, MTC 405L
- 18 MTC 406, MTC 406L
- 19 MTC 407, MTC 407L
- 20 MTC 408, MTC 408L
- 21 MTC 409, MTC 409L
- 22 MTC 410, MTC 410L
- 23 MTC 411, MTC 411L
- 24 MTC 412
- 25 MTC 414
- 26 MTC 451
- 27 MTC 452
- 28 MTC 456
- 29 MTC 457
- 30 MTC 458
- 31 MTC 459

07. OTHER REQUIRED COURSES (3 HRS)
- 01 CSS 211 OR PSY 360 (STATISTICS)

09. MINOR AREA OF STUDY (OPTIONAL)

Minimum of 143 Hours in Program

PHYSICS

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (12 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 240

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: ECO 201
  - GRP 3: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 4: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 5: PSY 110 OR PSY 375
  - GRP 6: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES (8 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (45 HRS)
- 01 PHY 201, PHY 201L
- 02 PHY 202, PHY 202L
- 03 PHY 327, PHY 327L
- 04 PHY 332
- 05 PHY 350, PHY 351
- 06 PHY 361, PHY 361L
- 07 PHY 421, PHY 422
- 08 PHY 460
- 09 PHY 461
- 10 COMPLETE 3 HOURS PHY 499 (RESEARCH)

07. OTHER REQUIRED COURSES (3 HRS)
- 01 CSS 330

09. MATHEMATICS MINOR (34 HRS)
- 01 SELECT 1 GROUP FROM: MAT 167, MAT 168 AND MAT 169 OR MAT 178 AND MAT 179
- 02 MAT 280
- 03 MAT 385
- 04 MAT 415
- 05 MAT 430
- 06 MAT 431
- 07 SELECT 9 HOURS COURSE LEVEL 300 OR 400 FROM DEPT OF MAT

11. ELECTIVES (6 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

PHYSICS (CERTIFICATION)

PACE Degree Plan

01. REASONING AND COMMUNICATION SKILLS (15 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 ENG 333 OR ENG 332
- 04 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 05 CSS 240

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 PSY 110
- 02 SELECT 1 COURSE FROM: ANT 101 OR ANT 221 OR ECO 201 OR GHY 101 OR GHY 102 OR GHY 331 OR GHY 341 OR PS 101 OR PS 220 OR PS 331 OR PS 425 OR SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 NFS 167
- 02 HPR 105

06. MAJOR/EMPHASIS REQUIREMENTS (24 HRS)
- 01 PHY 201, PHY 201L
- 02 PHY 202, PHY 202L
- 03 PHY 327, PHY 327L
- 04 PHY 341, PHY 341L
- 05 PHY 361, PHY 361L
- 06 PHY 460

07. OTHER REQUIRED COURSES (31 HRS)
- 01 BSC 110, BSC 110L
- 02 BSC 111, BSC 111L
- 03 GLY 101, GLY 101L
- 04 AST 111, AST 111L
- 05 AST 112, AST 112L
- 06 CSS 400
- 07 CHE 106, CHE 106L
- 08 CHE 107, CHE 107L

10. TEACHER EDUCATION REQUIREMENTS (32 HRS)
- 01 PSY 374, REF 400, RED 469, SPE 400
- 02 CIS 313
- 03 SCE 460
- 04 SCE 489, SCE 490 (STUDENT TEACHING)

11. ELECTIVES (6 HRS)
- 01 SELECT SUFFICIENT ELECTIVE COURSES FROM ANY DEPARTMENT SO THAT TOTAL HOURS ARE EQUAL TO 128 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER.

Minimum of 128 Hours in Program

POLYMER SCIENCE

PACE Degree Plan

01. REASONING/COMMUNICATION SKILLS (22 HRS)
- 01 ENG 101
- 02 ENG 102
- 03 SCM 111 OR SCM 305 OR SCM 320 OR SCM 330
- 04 CSS 240 OR CSS 330
- 05 SELECT 1 GROUP FROM: MAT 167, MAT 168, MAT 169 OR MAT 178, MAT 179

02. HUMANITIES AND FINE ARTS (12 HRS)
- 01 HIS 101
- 02 HIS 102
- 03 ENG 203
- 04 AA 100 OR ART 130 OR DAN 107 OR MUS 365 OR THE 100

03. SOCIAL AND BEHAVIORAL SCIENCES (6 HRS)
- 01 SELECT 1 COURSE FROM EACH OF 2 GROUPS BELOW:
  - GRP 1: ANT 101 OR ANT 221
  - GRP 2: GHY 101 OR GHY 102 OR GHY 331 OR GHY 341
  - GRP 3: PS 101 OR PS 220 OR PS 331 OR PS 425
  - GRP 4: PSY 110 OR PSY 375
  - GRP 5: SOC 101 OR SOC 240 OR SOC 314

04. NATURAL AND APPLIED SCIENCES
(SEE MAJOR/EMPHASIS REQUIREMENTS)

05. HUMAN WELLNESS (2 HRS)
- 01 HPR 105
- 02 NFS 167

06. MAJOR/EMPHASIS REQUIREMENTS (50 HRS)
- 01 PSC 191 (FRESHMAN REQUIREMENT)
- 02 PSC 291 (SOPHOMORE REQUIREMENT)
- 03 PSC 301
- 04 PSC 302
- 05 PSC 341L
- 06 PSC 342L
- 07 PSC 360
- 08 PSC 361, PSC 361L
- 09 PSC 401
- 10 PSC 402
- 11 PSC 410
- 12 PSC 450
- 13 PSC 470, PSC 470L
- 14 PSC 480
- 15 PSC 490, PSC 490L
- 16 PSC 491, PSC 491L

07. OTHER REQUIRED COURSES (33 HRS)
- 01 CHE 106, CHE 106L
- 02 CHE 107, CHE 107L
- 03 CHE 255, CHE 255L
- 04 CHE 256, CHE 256L
- 05 PHY 201, PHY 201L
- 06 PHY 202, PHY 202L
- 07 MAT 385
- 08 ENT 390

09. MINOR AREA OF STUDY (OPTIONAL)

11. ELECTIVES (6 HRS)
- 01 SELECT SUFFICIENT HOURS OF TECHNICAL ELECTIVES SO THAT TOTAL HOURS ARE EQUAL TO 130 OR MORE, WITH AT LEAST 45 HOURS AT THE 300 LEVEL OR HIGHER. CHOICE OF THESE TECHNICAL ELECTIVES MUST BE APPROVED BY THE DEPT CHAIR.

Minimum of 130 Hours in Program

HONORS COLLEGE

Maureen Ryan, Dean
Hattiesburg, MS 39406-5162
(601) 266-5762

Honors education was first organized at the University in 1965 as an Honors Program, and in 1971 was named in honor of George R. Olliphant. The Honors College, established in 1976, includes the George R. Olliphant Honors Program, providing students of superior academic ability with a broadly-based undergraduate education. Its aim is to identify, encourage, and reward academic excellence in all fields and to serve students with varying academic interests. In many respects, the education offered through the Honors College may best be described as that of a small liberal arts college set within a large comprehensive university, with students encouraged to draw freely from both the college and the university. Students in the Honors College have access to small Honors classes, outstanding professors, special scholarships, and opportunities for independent study and special activities.

The curriculum of the Honors College consists of two phases: the General Honors Program for freshmen and sophomores and the Senior Honors Program for juniors and seniors. To enter the College as freshmen, students compete with other applicants on the basis of high school grades, scores on the American College Test (or Scholastic Aptitude Test), detailed evaluations by two high school teachers and their principal or guidance counselor, and an essay. Students may also be asked to come to the campus for a personal interview. Successful completion of General Honors will be cited on the student's transcript and diploma. The Senior Honors Program is described below.

Following is a brief description of the Honors College requirements and curriculum. For more specific details, students and advisers are urged to consult the Honors College Handbook, which is issued annually.

GENERAL HONORS

Freshmen admitted to General Honors complete the curriculum listed below. In satisfying the General Honors requirements, students thereby fulfill the University General Education requirements. For most students, completion of General Honors will also fulfill the core requirements of their majors. Some students, however, may have to take additional core courses required specifically for their major. Students undertaking General Honors are required to complete at least 26 hours in Honors courses and departmental Honors sections, taking six or more hours of Honors course work each semester. Students are in good standing as long as they remain on track and maintain a minimal 3.0 overall average; they must graduate with at least a 3.0 average in order to receive General Honors recognition at graduation.

HONORS COLLEGE GENERAL EDUCATION REQUIREMENTS

HOURS

I. Reasoning and Communication Skills

Honors students who complete HON 111, 112, 211, and 212 are exempt from the University General Education requirement for English Composition (ENG 101, 102). Students with AP, CLEP, or other college credit for ENG 101, 102 may apply this credit as elective hours toward their degrees.

Mathematics 3
Required: 167, 178, 312, or 314.

Communications 3
Required: SCM 111, 305, 320 or 330, preferably in Honors sections as offered.

University Forum: Honors 321, 322 2-4
Recommended: 4 hours. Required: 2 hours.

II. Humanities and Fine Arts

Fine Arts 3-6
Recommended: 6 hours total in AA 100, ART 130, DAN 107, MUS 365, THE 100, or other upper level fine arts history or appreciation courses, preferably in Honors sections as offered. Required: 3 hours.

World Literature, History and Philosophy 14
Required: 14 hours total in Honors 111, 112, 211, 212 (Honors Colloquium: World Thought and Culture). These courses replace HIS 101, 102; ENG 101, 102, 203; and PHI 151 or a Humanities/free elective.

Foreign Language 0-12
Recommended: second-year proficiency. Required: either two years of a single language in high school with GPA of B or better or 6 hours university credit.

III. Social and Behavioral Sciences

Recommended: 9 hours total, in Honors sections as offered, with no more than 3 hours from any one discipline, in ANT 101, 221; GHY 101, 102, 331, 341; PS 101, 220, 331, 425; SOC 101, 240, 314; ECO 200, 201; PSY 110, 375.
Required: 6 hours 6-9

IV. Natural and Applied Sciences

Laboratory Sciences 8
Required: 8 hours total. Recommended: Honors Biology 110/110L; 111/111L; Honors Chemistry 106/106L; Honors Geology 101/101L; or other Honors sections as offered. See list of laboratory sciences in General Education Curriculum.
Elective. Required: 3 hours total, preferably in Honors sections as offered. See Category IV electives (including mathematics) in General Education Curriculum 3

V. Human Wellness

Required:
Food and Nutrition, NFS 167, preferably in Honors sections 1
Health and Physical Fitness, HPR 105, preferably in Honors sections 1
Total 44-46

Note: The recommended core is 52-64 hours; the minimum core, however, is 44 hours, 26 of which must be taken in Honors courses and departmental Honors sections. Honors College students may also have to take additional core courses required specifically for their major.

*Students who have to take more than 3 hours of prerequisite mathematics may petition the Dean of the Honors College to satisfy this requirement with a total of 6 hours of mathematics (MAT 101 and above).

REQUIREMENTS FOR GRADUATION WITH GENERAL HONORS

1. Completion of Honors College General Education minimum requirements.
2. Completion of a minimum of 26 of the General Education hours in Honors courses and departmental Honors sections.
3. Overall minimal GPA of 3.0 at graduation.

TYPICAL SCHEDULE FOR MEETING GENERAL HONORS REQUIREMENTS IN THE FIRST TWO YEARS

FRESHMAN YEAR	SEM. HRS.	SOPHOMORE YEAR	SEM. HRS.
Fine Arts	3	Communications	3
FN 167	1	Foreign Language	0-6
Foreign Language	0-6	HON 211, 212	6
HON 111, 112	8	HON 321, 322	0-2
HON 321, 322	1-2	HPR 105	1
Laboratory Science	4	Laboratory Science	4
MAT 167, 178, 312, or 314	3-5	Mathematics/Science Elective	3
Social Science	3	Social Science	3
	23-32		20-28

SENIOR HONORS

To enter the Senior Honors curriculum, the student must either complete General Honors with a minimum GPA of 3.0 or meet the following admission requirements: (1) a grade point average of 3.5 on at least 40 hours, (2) recommendations from two professors, (3) an essay, and (4) approval by the student's major department. Students must maintain a GPA of 3.25 to remain in Senior Honors. Those students entering from General Honors with a 3.0 GPA will have until the end of the first semester of their junior year to raise their GPA to 3.25. Students completing Senior Honors with the required GPA will receive the special recognition denoted by the Latin designations *summa cum laude* (3.8 or higher overall average), *magna cum laude* (3.50-3.79), or *cum laude* (3.25-3.49). Students will typically apply for Senior Honors during their sophomore year and, if admitted, begin the first semester of their junior year. The Senior Honors curriculum offers students opportunities for independent study in their major, for small seminars on a wide range of topics, and for scholarship assistance.

SENIOR HONORS CURRICULUM

The Senior Honors curriculum is designed to accomplish two objectives: (1) to continue the process begun through the General Education curriculum of broadening the student's knowledge and intellectual interests, and (2) to give the student the opportunity to develop a greater understanding of the goals and methods of his or her major discipline by completing a Senior Honors project under the direction of a professor in his or her major department. The student in Senior Honors is thus required to enroll in two topical Honors Seminars outside the major (HON 403); the University Forum (HON 321, 322); Prospectus Writing (HON 301), in which the student plans the Senior project; and in a research course in his or her major for completion of the Senior project.

HONORS COLLEGE SENIOR HONORS REQUIREMENTS

HON 321, 322*	0-2
HON 301 (Prospectus Writing)	1
HON 403 (Honors Seminar, to be taken outside the major)	3
HON 403 (411, Honors Directed Study or 499, British Studies)**	3
Senior Thesis (H492 or other departmental research course in the major)***	3
Comprehensive Examination in the Major	
	10-12 hrs.

*Students who have completed 4 hours of HON 321, 322 in General Honors are exempt from this requirement.

**With permission of the Dean of the Honors College, students may substitute 411 or 499 for 3 hours of HON 403.

***The Senior project must be done in the area of the student's major unless specific approval is given by the Dean of the Honors College for a project in the area of the minor.

REQUIREMENTS FOR GRADUATION WITH SENIOR HONORS

1. Completion of 12 hours in Senior Honors courses, including senior project.
2. Successful completion of comprehensive examination
3. Overall GPA of 3.25 or better at graduation

TYPICAL SCHEDULE FOR MEETING SENIOR HONORS REQUIREMENTS

JUNIOR YEAR	SEM. HRS.	SENIOR YEAR	SEM. HRS.
HON 321	1	HON 322	1
HON 301	1	Senior Research in Major	3
HON 403	3		
HON 403 (411 OR 499)	3		
	8		4

SENIOR HONORS RESEARCH

The Senior Honors project involves two phases, the prospectus and the project itself. The prospectus should be presented nine months prior to graduation; guidelines for the prospectus may be obtained from the Honors College Office. The project should reflect significant individual effort that may involve library research, laboratory research, or field research. The project should conform to accepted scholarly procedure within the discipline of the major field. The project may be creative, but a creative project must be executed within the framework of accepted scholarly procedure. That is, a student who produces a creative effort should introduce that effort by adequate discussion of the nature of the creative form involved, including an indication of familiarity with other examples of that form. Any doubts as to the validity of a proposed project should be resolved in discussion among the project director, the chair of the student's major department, and the Honors Dean. Directions for the format of the senior project may be secured from the Honors College Office. Graduating students are expected to present their research in a public senior symposium during the semester of graduation.

The comprehensive examination must be taken no later than four weeks before the student is scheduled to graduate. The examination may be either written or oral, at the option of the major department. The exact nature of the examination is a matter for decision by the department involved, but there are general guidelines:

(1) The examination should be designed so that it can be completed in a maximum of three hours.
(2) The examination should test the candidate's general knowledge of the field of the major rather than specialized information about some particular aspect of the major.
(3) The examination should be uniform for all candidates within a particular semester.
(4) It is the responsibility of the student to contact the department chair and request that the comprehensive examination be designed and administered. These arrangements should be made one semester in advance.
(5) A student who does not pass the examination upon the first attempt may repeat it once.

Graduation Recognition

A student may graduate with General Honors and/or Senior Honors in the Honors College. Senior Honors will be denoted by the Latin designations, *cum laude* (GPA of 3.25-3.49), *magna cum laude* (GPA or 3.50-3.79), and *summa cum laude* (GPA of 3.80 or higher).

Financial Assistance

Students enrolled in the Honors College may apply for financial aid through the Office of Financial Aid on the same basis as any other student. Scholarships available only to Honors students are listed below.

(1) **Presidential Scholarships:** Each year, the the Honors College will designate a select group of Honors freshmen as Presidential Scholars. Applicants are expected to have high ACT scores, superior grades and proven leadership ability. The value of this award is equal to tuition, fees, and room and board for a four-year period. (The recipient will receive university-mandated necessary increments each semester.) Presidential Scholars are required to maintain at least a 3.25 GPA. **The Schillig-Baird Scholarships**, **O.L. and Marie Sims Scholarship**, the **Pulley-Pulley Gough Scholarship** and others are awarded from special endowments made available for Presidential Scholarships.
(2) **George R. Olliphant Scholarships:** Available to a selected number of deserving students enrolled in the Honors College.
(3) **Honors Scholarships:** Freshmen admitted to the Honors College are designated Honors College Scholars. Awards are based on an excellent record of achievement on the ACT (or SAT) and in high school classes, with attention to Honors, AP, and other rigorous courses successfully completed; high school and community activities; honors and achievements; counselor and teacher recommendations; and an essay. Freshman and sophomore Honors Scholars are required to maintain a GPA of at least 3.0. Students admitted to Senior Honors are also eligible for Honors College Scholarships. Juniors and seniors are required to maintain a GPA of at least 3.25. Honors scholarships are in the amount of $100 per semester for up to $800 for students completing both General and Senior Honors.
(4) **Travel Awards:** Special travel awards are available each summer for the Study Abroad Programs sponsored by the University's Center for International Education. Students should apply to the Dean in late January.

THE UNIVERSITY FORUM

The University Forum is a special series of lectures and programs open to all students, faculty, and townspeople. It is sponsored each fall and spring by the University Honors College and features nationally-known speakers in a variety of fields. Students who attend the forum lectures and designated films, concerts, plays, and other activities may receive an hour of credit on a pass/fail basis by enrolling in HON 321 or 322. This course may be repeated by any USM student for up to 8 hours of credit.

COLLEGE OF INTERNATIONAL AND CONTINUING EDUCATION

Tim W. Hudson, Dean
Mark Miller, Assistant Dean

In February, 1991, the Center for International Education and the Division of Lifelong Learning were combined to form the College of International and Continuing Education. An administrative entity under the Office of the Vice President for Academic Affairs, the College is operationally divided into the Center for International Education and Continuing Education.

CENTER FOR INTERNATIONAL EDUCATION

Box 10047
Hattiesburg, MS 39406-0047
U.S.A.
(601) 266-4344
FAX (601) 266-5699

The Center for International Education administers all programs bringing international students to USM and coordinates all programs sending USM students abroad for academic credit. In addition, the Center strives to promote a spirit of internationalism on the USM campuses; to assist academic departments in the internationalization of curriculum; to encourage student, faculty, and library development in the international sphere; and to assist business and government in projects of an international nature.

The Center is comprised of three components: the English Language Institute, the Office of International Student Affairs, and the Office of International Programs.

English Language Institute

Audrey D. Blackwell, Director
Box 5065
Hattiesburg, MS 39406-5065
U.S.A.
(601) 266-4337
FAX (601) 266-5723

The English Language Institute (ELI) provides intensive English instruction for international students. Founded in 1947, it is among the oldest language institutes in the United States and is authorized under Federal law to enroll non-immigrant alien students.

The Institute's language programs are of two kinds, academic and specialized. The regular intensive program has five eight-week sessions each year and offers classes with emphasis in English grammar, vocabulary, writing, reading and listening/speaking. Conversation/culture courses and Business/English courses are arranged for special groups.

Office of International Student Affairs

Cathy Carucci, Director
Box 5151
Hattiesburg, MS 39406-5151
U.S.A.
(601) 266-4841
FAX (601) 266-5839

The Office of International Student Affairs (ISA) coordinates all facets of international admissions and student services. The ISA provides counseling on immigration regulations, personal matters, culture shock and adjustment, as well as some academic counseling in conjunction with the various departments. The Office processes all international applications, evaluates foreign academic credentials and issues the appropriate immigration documents for the non-immigrant foreign student. Multi-cultural programming for the international students and the community is also coordinated by the ISA.

The ISA Office disseminates USM information to foreign schools, U.S. embassies and consulates abroad, and non-profit international organizations (such as the Institute for International Education).

This Office also provides information to and immigration documents for research scholars invited by various USM departments to participate in limited research opportunities.

Office of International Programs

Susan Steen, Director
Box 10047
Hattiesburg, MS 39406-0047
U.S.A.
(601) 266-4344, 266-5147
FAX (601) 266-5699

The Office of International Programs administers a variety of programs providing USM students both long-term and short-term opportunities to study abroad for academic credit. Summer-term programs offering regular USM academic credit include:

The British Studies Program, a summer term in London in which USM functions as the academic and logistical linchpin for a ten-school consortium comprised of the University of South Alabama, The University of Memphis, Georgetown College, Hinds Community College, Midwestern State University, East Texas State University, Auburn University-Montgomery, Northeast Louisiana University, Southeastern Louisiana University, and Mississippi College.

The Chinese History and Culture Program

The Austrian Studies Program in Vienna, Austria

The Australian Studies Program, Australia and New Zealand

The Caribbean Studies Program in Jamaica

The Contemporary French History Program

The German Language Program in Vienna, Austria

The Irish Studies Program

The Mexican Business and Politics Program in Yucatan, Mexico

Protestantism and Politics in Great Britain: 1600-1800 in Edinburgh, Scotland

The Spanish Language Program in Cuernavaca, Mexico

Other academic study abroad programs coordinated by the Office are:

Semester abroad exchanges with the University of Alcalá, Madrid, Spain; the Ecole Supérieure du Commerce Extérieur, Paris, France; London Guildhall University, London, England; and Universidad Autónoma de Yucatán; Merida, Mexico.

Year abroad exchange programs with the University of Victoria, Canada; the University of Wales, Swansea; and the University of Bonn, Germany.

A student practice teaching program in England for education majors.

CONTINUING EDUCATION

USM Continuing Education functions to complement The University of Southern Mississippi's overall mission of teaching, research and service. By serving as liaison between the University and the community at large, the Department extends access to the educational programs of the institution, through multiple delivery systems, to individuals at various stages of their lives and careers for intellectual, professional, social and cultural advancement.

Continuing Education acts in partnership with the academic colleges to link faculty expertise and resources with the needs of the University's clients and constituencies. In this role, Continuing Education serves as an agent for opportunity, innovation and quality.

The Department of Continuing Education accomplishes its mission by providing educational opportunities in settings and formats that broaden the University's traditional modes of delivery.

Programming

Sue Pace, Director
Box 5055
Hattiesburg, MS 39406-5055
(601) 266-4210

Credit: Credit Programming has the responsibility of coordinating and administering all credit intensive, weekend, intersession and extension (off-campus) courses in nontraditional formats as a part of the University's curricula. This office works closely with the University's academic departments in offering these courses. In addition, academic courses, on- or off-campus, may be arranged in a nontraditional schedule format to meet the specific needs of governmental, business, industrial, and educational groups.

Noncredit. Noncredit Programming maintains responsibility for a diversity of programming which serves as liaison between the University and the community. This office coordinates and administers the logistical details for all noncredit conferences, institutes, workshops, clinics, camps, short courses, and special training programs sponsored through the University. The office also provides convention and annual meeting coordination assistance to professional associations, fraternal organizations, and other education groups. A Listener's License Program is available which enables individuals to utilize University resources by observation within the academic class setting on a non-participating basis. The Continuing Education Unit (CEU), also offered through Noncredit Programming, is a nationally recognized unit of measure for non-credit continuing education programs. It is designed to document learning experiences which are valid in their own right, but differ from experiences for which academic credits are traditionally awarded.

USM Jackson. The University of Southern Mississippi-Jackson began operation in the Fall of 1974 at the Research and Development Center on Eastover Drive in North Jackson. A limited number of graduate and undergraduate courses and programs are available for the citizens of Jackson and adjoining areas. Facilities and services in the Jackson area are available upon request for conferences, workshops, noncredit courses, and meetings.

For further information, phone (601) 982-6210.

Independent Study. Through independent study a student may earn up to thirty- three hours of undergraduate university credit or one complete units of high school credit. A complete high school curriculum and a wide variety of university-level course offerings are available.

Independent study allows the student to earn credit through the advantages of home study. These courses are particularly suited to the needs of the student who is unable to attend the University on a regular schedule. Students are allowed to progress through their course of study at their own rate.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI GULF COAST

James O. Williams, Dean
730 East Beach Boulevard
Long Beach, MS 39560-2699
(601) 865-4500

The University of Southern Mississippi Gulf Coast serves students at four locations: the Gulf Park Campus in Long Beach, the Keesler Center on Keesler Air Force Base, Stennis Space Center in Bay St. Louis, and USM Jackson County Center located on the Jackson County Campus of the Mississippi Gulf Coast Community College in Gautier. USM Gulf Coast is part of a cooperative plan to provide comprehensive higher education on the Mississippi Gulf Coast. The Two-Plus-Two articulation programs with the area community colleges assures a smooth transition for students who transfer from the community colleges' freshman-sophomore programs to the upper level degree programs at USM Gulf Coast. Refer to the USM Gulf Coast **Regional Campus Bulletin** for specific information concerning the Gulf Coast courses and programs.

DEGREE PROGRAMS

USM Gulf Coast provides a flexible delivery system designed to meet the educational needs of Coast citizens. Consequently, new courses and programs are added as student demand warrants and resources permit. A sufficient number of courses are now available so that USM Gulf Coast students may earn their entire baccalaureate degree(s) with majors and emphases in the following areas:

Accounting
American Studies
Business Administration
Computer Engineering Technology
Computer Science
Criminal Justice
Electronics Engineering Technology
Elementary Education
English
History
Hotel, Restaurant and Tourism Management
Management Information Systems
Mathematics
Nursing
Paralegal Studies
Political Science
Psychology
Secondary Education
Special Education
Technical and Occupational Education

Admission

In keeping with the status of USM Gulf Coast as an upper- level institution, regular admission is open to students who have attained junior standing (54 semester hours). The USM Gulf Coast Dean can authorize special exceptions to this rule for persons who need a limited number of courses for specialized professional and/or cultural development. In other respects, admission requirements are identical with those outlined elsewhere in this **Bulletin.** In order to facilitate proper advisement and predetermination of admission status, students must furnish transcripts and complete applications for admission prior to registration. Transcripts and the completed applications should be sent to the Office of Admissions, USM Gulf Coast, 730 East Beach Blvd., Long Beach, MS 39560-2699.

Course Load

Students are permitted to carry a total of twelve (12) to nineteen (19) semester hours. Nine (9) to fourteen (14) hours is considered a full load during the summer session. Nineteen (19) hours is the maximum load without approval of the division chair. Credit courses and workshops taken on any USM campus will be counted as part of the course load.

Honors

Special policies have been formulated in order to accord official recognition to students who achieve outstanding academic records. **PRESIDENT'S LIST:** Undergraduate students who earn a 4.00 grade point average on an academic load of not less than twelve semester hours in one semester and have no grades of I or X will be placed on the President's List. **DEAN'S LIST:** Undergraduate students will be placed on the Dean's List if they have earned a 3.25 grade point average or above on an academic load of not less than twelve hours in one semester, provided they have no grade of D or below (includes F, I, or X). **DEGREES WITH HONORS:** USM Gulf Coast

students with exceptional academic records may be awarded a degree with honors or with highest honors. The residence requirement for such degrees is not less than thirty- two (32) semester hours of credit with the University of Southern Mississippi. A degree with honors will be granted to a student who maintains a grade point average of 3.5 or more. A degree with highest honors will be granted to a student who maintains a grade point average of 3.8 or more.

FEES

(All fees are subject to change without notice)

Undergraduate:.....$83.00 per semester hour
Graduate:.....$111.00 per semester hour

One-half of a student's fees are due and payable at the time of registration. Fees deferred past the last day to register each semester will be billed monthly. A monthly service charge of 1.5% will be applied to the unpaid balance. MasterCard and Visa credit cards will be accepted.

Financial aid may be used to satisfy the minimum payment with the following exceptions: financial aid cannot be applied to prior balances, and work study or other forms of aid paid periodically to students may not be used to defer fees. All financial aid must be applied to fees before a refund can be made.

A general tuition level cap of $1003.00 has been set for undergraduate students enrolled for 12-19 semester hours and for graduate students enrolled for 9-13 semester hours. Undergraduate students enrolled for more than 19 hours will be assessed $83.00 for each additional hour and graduate students enrolled for more than 13 hours will be assessed $111.00 for each additional hour.

Students who are not residents of Mississippi will be assessed an additional fee of $117.00 per semester hour for undergraduates, $157.00 per semester hour for graduates, up to a maximum of $1410.00.

FULL-TIME STUDENT TUITION

(Including $5.00 Registration Fee)

Undergraduate	Graduate
$1003.00	$1003.00
12-19 hrs.	9-13 hrs.

SPECIAL FEES

Registration Fee (non-refundable).....$ 5.00
Vehicle Registration (GP & JC).....$ 10.00
Late Registration Fee.....$50.00

A few courses are much more costly to teach than the majority of courses offered. Therefore, the following special fees are required to meet these additional costs:

NSG 307.....2.00 per hour
NSG 427..... 5.00 per course
NSG 361, 362, 363.....$2.00/hr. + 35.00 per course

CALENDAR

The USM-Gulf Coast academic calendar and holidays follow the same schedule as the Hattiesburg Campus calendar found elsewhere in this **Bulletin**.

SEMESTER	CLASSES BEGIN	FINAL EXAMS
Fall 1996-1997	August 26-30, 1996	December 10-20, 1996
Spring 1996-1997	January 13-17, 1997	May 7-16, 1997
Summer 1996-1997	June 2-6, 1997	August 4-8, 1997

GULF COAST RESEARCH LABORATORY

Director
P.O. Drawer 7000
Ocean Springs, MS 39566-7000
(601) 872-4200

The Gulf Coast Research Laboratory, located in Ocean Springs, is a non-degree granting institution of higher learning which is administered by the University of Southern Mississippi. In addition to the research and educational facilities on the main campus, the GCRL's J.L. Scott Marine Education Center and Aquarium is located on a second campus in Biloxi.

The Laboratory has a three-fold mission of research, education and service in the marine sciences. The Laboratory focuses on marine research in the disciplinary areas of biology, chemistry, geology and physics of coastal and continental shelf waters. Research emphasis areas include aquaculture, biodiversity and systematics, coastal ecology, environmental fate and effects, fisheries sciences and coastal hydrodynamics.

ACADEMIC PROGRAM

Courses taught at the Gulf Coast Research Laboratory and submitted for incorporation into the USM curriculum have been approved by the USM Curriculum Committee and the USM Graduate Council. Where applicable, courses are cross-listed in the Biological Sciences Department, Geology Department, Chemistry and Biochemistry Department, Department of Physics and Astronomy, and the Center for Science Education. Although there are a few strictly undergraduate courses, most courses are for upper level undergraduate and graduate credit. At present, the academic program consists primarily of a Summer Field Studies and year-round graduate research. Plans are for the GCRL to begin offering classes year-round in the near future.

Admission to the Summer Program

Students must apply directly to the GCRL for admission and registration. The STARS system cannot be used to register for courses taught at the GCRL. Contact the Office of Student Services, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000 for an application form and information. Admission and registration for the 1997 Summer Field Studies Program begin the second week of January, 1997. Because most classes fill rapidly, students are advised to apply early.

Course Load During the Summer Program

Courses are offered in two five-week summer terms. Students may enroll in only one course each term, but may earn up to twelve (12) semester hours credit during the summer. Classes usually meet every day during the week. Time is allocated for classroom instruction, laboratory work, and field trips.

Housing/Meals For the Summer Program

Housing is available on campus in an air-conditioned dormitory (double occupancy). The dining hall serves three meals daily to dormitory residents. Commuters may also purchase meals on campus for a modest cost.

FEES

Deposit:	$50.00
Undergraduate:	$83.00 per semester hour
Graduate:	$111.00 per semester hour
Room and board:	$80.00 per week

Fees are subject to change without prior notice.

Students pay fees directly to the GCRL. Students with loans arranged through USM should notify the GCRL Student Services Office at the time of application for admission to the GCRL program.

CALENDAR

Application Deadline:.....May 2, 1997
First summer term begins:.....June 2, 1997
Second summer term begins:.....July 7, 1997
Summer Session ends:.....August 8, 1997

GRADUATE RESEARCH

The Gulf Coast Research Laboratory provides opportunities for USM graduate students to do the research portion of their degree program at the Laboratory. The research problems must be marine related and be of a nature which prevents the work from being easily conducted on the USM campus. Departmental approval must be obtained before a student can enter this program. There are some teaching and research assistantships available through the Laboratory. For further information contact: Office of Student Services, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000, Telephone (601) 872-4201.

COURSE DESCRIPTIONS

INDEX OF ABBREVIATIONS FOR FIELDS OF INSTRUCTION

AA	Allied Arts
ACC	Accounting
ACT	Architectural Engineering Technology
ADE	Adult Education
AMS	American Studies
ANT	Anthropology
AOS	Aerospace Studies
ARE	Art Education
ART	Art
AST	Astronomy
BA	Business Administration
BCT	Construction Engineering Technology
BTE	Business Technology Education
BSC	Biological Sciences
CD	Child Development
CED	Cooperative Education
CET	Computer Engineering Technology
CHE	Chemistry and Biochemistry
CHI	Chinese
CHS	Community Health Sciences
CI	Curriculum and Instruction: CIE Elementary CIS Secondary
CJ	Criminal Justice
CSC	Computer Science
CSS	Computer Science and Statistics
DAN	Dance
ECO	Economics
EET	Electronics Engineering Technology
ENG	English
ENT	Engineering Technology
ESC	Environmental Science
FAM	Family Studies
FIN	Finance
FL	Foreign Languages
FMA	Fashion Merchandising and Apparel Studies
FN	Food and Nutrition
FRE	French
FS	Fundamentals of Science
FSC	Forensic Science
FSM	Food Service Management
GER	German
GHY	Geography and Area Development
GLY	Geology
GRK	Greek
GS	General Studies
HEE	Home Economics Education
HIS	History
HON	Honors College
HPR	Human Performance and Recreation
HRT	Hotel, Restaurant and Tourism Management
HUM	Humanities
IB	International Business
ID	Interior Design
IET	Industrial Engineering Technology
IS	International Studies
ITA	Italian
JPN	Japanese
JOU	Journalism
LAT	Latin
LIS	Library and Information Science
MAR	Marine Science
MAT	Mathematics
MED	Music Education
MET	Mechanical Engineering Technology
MFG	Manufacturing Technology
MGT	Management
MIS	Management Information Systems
MKT	Marketing
MS	Military Science
MTC	Medical Technology
MUP	Music Performance Studies
MUS	Music
NFS	Nutrition and Food Systems
NSG	Nursing
PHI	Philosophy
PHY	Physics
PLG	Planning
PLS	Paralegal Studies
PS	Political Science
PSC	Polymer Science
PSY	Psychology
REF	Research and Foundations
REI	Real Estate and Insurance
REL	Religion
RTF	Radio-Television-Film
RUS	Russian
SCE	Science Education
SCM	Speech Communication
SHS	Speech and Hearing Sciences
SOC	Sociology
SPA	Spanish
SPE	Special Education
SWK	Social Work
THE	Theatre
THY	Therapy
TOE	Technical/Occupational Education
TOX	Toxicology
WS	Women's Studies

EXPLANATION

The semester credit hours are listed after the title of each course.

Example:

100. Introduction to the Arts. 3 hrs. A team-taught investigation of the music, visual and theatrical arts designed fro students who are not otherwise academically involved with these arts. (CC 1233)

USM courses for which there are acceptable junior/community college courses are marked as (CC ____). It should be noted that there is a variance in course sequence between the junior/community colleges and USM. In addition, courses with the same junior/ community college numbers vary from college to college. An adviser should be consulted prior to course scheduling.

The plus (+) sign in front of a course indicates that a special fee is charged for that course. (See Special Fees listing in Expenses Section.)

ACCOUNTING (ACC—605)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

200. **Introduction to Financial Accounting.** 3 hrs. The interpretation and use of financial accounting information.

300. **Managerial Accounting.** 3 hrs. Prerequisites: ACC 200, MIS 201, 202. The use of accounting information in managerial decision making.

310. **Accounting Processes and Systems.** 3 hrs. Prerequisite: ACC 200 with a grade of C or better, MIS 201 and MIS 202. Primarily for Accounting majors; an in-depth study of the processes and systems used to produce financial statements.

320. **Elementary Cost Accounting.** 3 hrs. Prerequisites: ACC 200 with a grade of C or better, MIS 201, 202. A study of cost accounting systems and methods.

325. **Intermediate Accounting I.** 3 hrs. Prerequisite: ACC 310 with a grade of C or better. An intensive study of financial statement theory and preparation.

330. **Federal Income Tax Accounting.** 3 hrs. Prerequisite: ACC 200 with a grade of C or better. Introduction to federal taxation and the basic concepts and applications of federal tax laws.

400. **Intermediate Accounting II.** 3 hrs. Prerequisite: ACC 325 with a grade of C or better. A continuation of ACC 325.

401. **Advanced Accounting I.** 3 hrs. Prerequisite: ACC 400 with a grade of C or better. A continuation of ACC 400.

402. **Advanced Accounting II.** 3 hrs. Prerequisite: ACC 400 with a grade of C or better. A continuation of the study of advanced financial accounting.

407. **Government and Not-for-Profit Accounting.** 3 hrs. Prerequisite: ACC 325. The study of government and fund accounting principles.

409. **Auditing.** 3 hrs. Prerequisite: ACC 325 with a grade of C or better. An introduction to the financial statement attest function.

412. **Seminar on Contemporary Accounting Topics.** 1.5 hrs. Prerequisite: ACC 325 with a grade of C or better. Selected readings and discussions of current accounting topics.

492. **Special Problems in Accounting.** 1-6 hrs. Prerequisite: Consent of Director. Individual study on an approved topic in Accounting. (Students undertaking a Senior Honors Project will enroll in ACC H492.)

498. **International Accounting Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: A series of lectures and discussions involving authorities on international accounting issues and practices.

499. **International Accounting Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international accounting offered for students enrolled in ACC 498.

ADULT EDUCATION (ADE—110)

440. **Methods and Materials in Adult Education.** 3 hrs. Reviews the uses and adaptation of various materials and techniques for teaching adults. Relates content and methods.

441. **Foundations of Reading Instruction for the Adult.** 3 hrs. Examines the basis of reading instruction in relation to the needs and characteristics of the non-literate adult

442. **Methods and Materials for Teaching Adults to Read.** 3 hrs. Materials, diagnostic and evaluative procedures, and laboratory experiences will be included.

445. **Teaching the Disadvantaged Adult.** 3 hrs. Characteristics, needs, and problems are related to programs and procedures found to be successful.

476. **Learning in Adult Education.** 3 hrs. A study of learning in adulthood, and related to a range of educational programs.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

480. **Applied Educational Gerontology.** 3 hrs. This course prepares individuals to design and implement educational programs for older adults.

490. **Special Problems in Adult Education.** 1-3 hrs. May be arranged for an individual or a group with common interests. Permission of the department chairman required.

+494. **Student Teaching in Adult Education.** 1-2 hrs. Prerequisite: ADE 440 or 441 or 442 or IVE 431 or 435. For students who plan to teach in an adult education program or a post-secondary vocational center and who are not presently employed in such a program.

+495. **Internship in Adult Education.** 3-9 hrs. A nine-month, supervised experience for practicing teachers of adults.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

AEROSPACE STUDIES (AOS—202)

First-Year Aerospace Studies

101. **Air Force Organizations.** 1 hr. A beginning course to introduce the student to the Air Force ROTC Program and today's Air Force.

101-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 101.

103. **Air Force Mission.** 1 hr. Examines the functions and employment of U.S. Aerospace Forces.

103-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 103.

Second-Year Aerospace Studies

201. **Air Power History I.** 1 hr. Events and personalities contributing to the development of air power as a primary element of national security.

201-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 201.

203. **Air Power History II.** 1 hr. The changing mission of the Air Force, emphasizing the impact of air power on strategic thought.

203-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 203.

Third-Year Aerospace Studies

312. **Military Management Skills.** 3 hrs. Compares the functions of the Air Force commander and his staff with contemporary management theory.

312-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 312.

313. **Military Leadership and Management.** 3 hrs. Examines leadership and management roles of the junior Air Force officer. Includes communications security.

313-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 313.

Fourth-Year Aerospace Studies

412. **National Defense Forces in Contemporary American Society.** 3 hrs. Focuses on the prerequisites for maintaining adequate national security forces.

412-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 412.

413. **National Defense Forces in Contemporary American Society.** 3 hrs. Institutional structures involved in the formulation and implementation of U.S. Defense policies.

413-L. **Air Force Leadership Laboratory.** 1 hr. Corequisite: AOS 413.

492. **Special Projects.** 1-2 hrs.

ALLIED ARTS (AA—655)

100. **Introduction to the Arts.** 3 hrs. A team-taught investigation of the musical, visual, and theatrical arts designed for students who are not otherwise academically involved with these arts. (CC 1233)

300. **Directed Art Tours.** 3 hrs. Prerequisite: AA 100 or permission of instructor.

AMERICAN STUDIES (AMS—204)

304. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

403. **Seminar in American Studies.** 3 hrs. Required of American Studies majors during senior year. Open to other majors with permission of professor.

404. **Issues in America.** 3 hrs. Topics vary according to professor and department in which the course is offered. May be repeated for credit if content varies.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in AMS H492.)

499. **British Studies: Anglo-American Studies.** 3-6 hrs. A seminar conducted in Great Britain under the auspices of the USM Institute of Anglo-American Studies.

ANTHROPOLOGY (ANT—286)

101. **Introduction to Anthropology.** 3 hrs. Surveys the five major subdisciplines of anthropology (physical anthropology, archaeology, linguistics, social/cultural anthropology, and applied anthropology) to provide the student with a holistic understanding of humanity's social and biological diversity. (CC-SOC 2213)

221. **Cultural Anthropology.** 3 hrs. A comparative approach to the analysis of human cultural and social diversity. (CC-SOC 2243)

231. **Introduction to Archaeology.** 3 hrs. An introduction to the study of anthropological archaeology and an overview of world prehistory.

241. **Introduction to Physical Anthropology.** 3 hrs. A study of prehistoric and modern human physical variation and its causes.

311. **World Cultures.** 3 hrs. A survey of cultural and social patterns from each of the primary geographic and cultural areas of the world (Africa, Asia, South America, North America, Oceania, Europe and Australia).

312. **Peoples and Cultures of Europe.** 3 hrs. Ethnology of Europe and the adjacent North African and Middle Eastern territories.

313. **Peoples and Cultures of Africa.** 3 hrs. An ethnological survey of the major culture areas of the African continent with particular reference to sub-Saharan Africa.

314. **Peoples and Cultures of Asia.** 3 hrs. Ethnological survey of the far East, the Indian subcontinent, Central Asia, and Insular Southeast Asia.

315. **American Indians.** 3 hrs. Focuses on North American, Meso-American and South American Indian cultures.

317. **Peoples and Cultures of Mesoamerica.** 3 hrs. Introduction to the major prehistoric and contemporary peoples of Mexico and Central America, including the Aztecs, Maya and Valley of Oaxaca.

318. **Peoples and Cultures of the Pacific.** 3 hrs. An ethnological survey of Melanesia, Micronesia, and Polynesia.

333. **Archaeology of North America.** 3 hrs. A study of the origin and development of prehistoric American Indian cultures.

335. **Biblical Archaeology.** 3 hrs. A survey of ancient Near Eastern peoples and cultures as reconstructed by anthropology and archaeology.

342. **Forensic Anthropology.** 3 hrs. Introduction to anthropological field methods and theory applicable to forensics, including bone identification and sex/age/race identification.

351. **Linguistic Anthropology.** 3 hrs. A survey of anthropological approaches to the diversity of human languages.

411. **Foundations of Indo-European Thought and Culture.** 3 hrs. A comparative approach to the background of Western culture, utilizing linguistics, mythology, and archaeology.

416. **Ethnographic Field Methods.** 1-6 hrs. Methods of ethnographic fieldwork through participation in organized field studies. Permission of instructor required.

420. **Culture and Ethnicity.** 3 hrs. An analysis of culture and ethnicity with special reference to the problem of modernization.

421. **Anthropological Theory.** 3 hrs. A general survey of the development of anthropological thought and of the major contemporary schools of anthropological theory.

422. **Ecological Anthropology.** 3 hrs. An examination of human cultural strategies for adaptation to different environments.

423. **Economic Anthropology.** 3 hrs. The evolution of economic systems, cross-cultural analysis of economic systems, and the role of economic forces in cultural change.

424. **Primitive Religion.** 3 hrs. Beliefs and rituals in tribal society; Shamanism and trance states; animism and magic; altered states of consciousness in religious ideology, evidences of prehistoric religion, and revitalization movements.

425. **Kinship and Social Organization.** 3 hrs. A comparative study of kinship and social organization, and a survey of the major anthropological theories concerning organizational variability.

427. **Psychological Anthropology.** 3 hrs. Cross-cultural analysis of personality formation, perception and cognition, mental illness, and altered states of consciousness.

428. **Political Anthropology.** 3 hrs. A comparative survey of patterns of group decision-making, leadership, resolution of conflict and social control in human societies.

429. **Topics in Cultural Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

431. **Prehistoric Archaeology.** 3 hrs. Corequisite: ANT 431L. Overview of analytical techniques in archaeology and prehistoric technologies.

431-L. **Prehistoric Archaeology Laboratory.** 1 hr. Corequisite: ANT 431. Laboratory to accompany Prehistoric Archaeology. Overview of analytical techniques in archaeology and prehistoric technologies.

433. **Prehistory of Southeastern Indians.** 3 hrs. A survey of the prehistoric archaeology of the Southeastern United States, especially Mississippi and adjoining states, from the first inhabitants to the time of European contact.

436. **Archaeology Field Methods.** 1-6 hrs. Methods of fieldwork through participation in organized field projects. Permission of instructor required.

439. **Topics in Archaeology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

441. **Human Variation.** 3 hrs. An exploration of human biological variation, including its sources, its classification, and its expression in different environments.

442. **Medical Anthropology.** 3 hrs. Introduction to the relationship between human culture and disease, especially cross-cultural comparisons of perception and treatment of illness.

449. **Topics in Physical Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

459. **Topics in Linguistic Anthropology.** 3 hrs. Variable content. May be repeated three times in separate topical offerings.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman. (Students undertaking a Seniors Honor Project will enroll in ANT H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research abroad under the auspices of the Institute of Anglo-American Studies.

ARCHITECTURAL ENGINEERING TECHNOLOGY (ACT—392)

132. **Architectural Graphics.** 2 hrs. Corequisite: ACT 132L. Principles of orthographic projection, isometrics, sections, and related drafting techniques applied to architectural and construction plans.

132-L. **Architectural Graphics Laboratory.** 1 hr. Corequisite: ACT 132.

204. **Building Materials.** 3 hrs. Properties, characteristics, and utilization of materials used in design and construction of projects.

235. **Architectural Working Drawings I.** 3 hrs. Prerequisites: ACT 132, ACT 204, and ENT 320. Corequisite: ACT 235L. Residential working drawings with integration of building systems used in frame construction.

235-L. **Architectural Working Drawings I Laboratory.** 1 hr. Corequisite: ACT 235.

261. **Residential Planning and Design.** 3 hrs. Prerequisites: ACT 132 and ACT 204. Corequisite: ACT 261L. Analysis and problem solving in the design and planning of residential buildings.

261-L. **Architectural Engineering Technology Laboratory.** 0 hr. Corequisite: ACT 261.

262. **Architectural Design I.** 2 hrs. Prerequisites: ACT 235 and ACT 323. Corequisite: ACT 262L. Residential and high density planning (Group Residential Occupancy Classification); study and application of design principles to three-dimensional visual organizations which convey spatial information.

262-L. **Architectural Design I Laboratory.** 1 hr. Corequisite: ACT 262.

303. **Principles of Energy in Interior Design.** 3 hrs. Principles of thermal, atmospheric, acoustic, solar and luminous environments as applied to design in architecture and interior design.

315. **Mechanical Systems.** 3 hrs. Design, installation, and performance of mechanical systems (heating, air conditioning, and plumbing) in buildings.

316. **Electrical Systems.** 3 hrs. Design, installation, and performance of electrical systems for residential and commercial buildings.

322. **Architectural History.** 3 hrs. Analysis of achievements in the design and construction of major architectural developments from early times to present.

323. **Architectural Rendering.** 2 hrs. Prerequisite: ACT 132. Corequisite: ACT 323L. Visual expression of architectural principles and structures. Perspective, shade, shadow, and color (using pencil, pen and ink, paints, and new media).

323-L. **Architectural Rendering Laboratory.** 1 hr. Corequisite: ACT 323.

324. **Architectural Landscaping.** 3 hrs. Prerequisite: BCT 205 or permission of instructor. Corequisite: ACT 324L. Principles of landscaping as applied to the building environment.

324-L. **Architectural Landscaping Laboratory.** 0 hr. Corequisite: ACT 324.

325. **Office Practice.** 3 hrs. Prerequisite: ACT 235. Introduction to contract documents, contract administration, and architectural office operations.

336. **Architectural Working Drawings II.** 3 hrs. Prerequisite: ACT 363. Corequisite: ACT 336L. Commercial working drawings, with integration of commercial building systems.

336-L. **Architectural Working Drawings II Laboratory.** 1 hr. Corequisite: ACT 336.

338. **Architectural Working Drawings III.** 3 hrs. Prerequisite: ACT 336. Corequisite: ACT 338L. Emphasis on detailing, graphics, plan coordination and development of working drawings.

338-L. **Architectural Working Drawings III Laboratory.** 0 hr. Corequisite: ACT 338.

343. **Structural Design.** 3 hrs. Prerequisite: ENT 340. Design of structural members; steel, wood, and concrete.

363. **Architectural Design II.** 2 hrs. Prerequisite: ACT 262. Corequisite: ACT 363L. Spatial planning of commercial buildings (Group Medical/Business Occupancy Classification); application of design processes and analytical methods; information retrieval, programming and architectural problem solving.

363-L. **Architectural Design II Laboratory.** 1 hr. Corequisite: ACT 363.

364. **Architectural Design III.** 2 hrs. Prerequisite: ACT 363. Corequisite: ACT 364L. Analysis of environmental and site forms as they relate to planning and design of assembly and educational structures (Groups Assembly and Education Occupancy Classification).

364-L. **Architectural Design III Laboratory.** 1 hr. Corequisite: ACT 364.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

401. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

404. **Applications of Computer-Aided Drafting and Design.** 3 hrs. Prerequisite: ENT 320. Use of commercially-available software to create complete sets of architectural and engineering drawings.

426. **Specifications.** 3 hrs. Prerequisite: ACT 336 or BCT 336. Introduction to development and writing of architectural project specifications.

445. **Foundations.** 3 hrs. Prerequisite: ENT 340. Properties and behavior of soils and concrete as applied to architectural structures.

465. **Architectural Design IV.** 2 hrs. Prerequisite: ACT 364. Comprehensive architectural concepts applied to institutional buildings (Group I Occupancy Classification).

465-L. **Architectural Design IV Laboratory.** 1 hr. Corequisite: ACT 465.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

ART (ART—660)

(*=Permission of instructor necessary; **=Permission of department chair required)

101. **Drawing I.** 3 hrs. A study of the possibilities of drawing as the expression of a variety of ways of seeing and thinking. (CC 1313)

102. **Drawing II.** 3 hrs. Prerequisite: ART 101, or *. A continuation of ART 101. (CC 1323)

111. **Design I.** 3 hrs. A study of the basic elemental relationships, plastic integration factors, principles, and the ordering of them toward expression. (CC 1413)

112. **Design II.** 3 hrs. Prerequisite: ART 111, or *. A continuation of the study of design with color theory and practice. (CC 1423)

113. **Three-Dimensional Design.** 3 hrs. Prerequisite: ART 111 OR *. Concepts and basic visual problems in designing sculptural form with the dimensions of height, width, and depth.

130. **Art Appreciation.** 3 hrs. An introduction to the visual arts for non-art majors. May not be used toward the major or minor. (CC 1113)

131. **Art Orientation.** 3 hrs. A study of the scope and nature of the plastic expressions with some bases for criticism as well as orientation to professional study in art.

201. **Figure Drawing I.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Study of the structure and anatomy of the human figure. Drawing and study from the figure.

202. **Figure Drawing II.** 3 hrs. Prerequisite: ART 201 or*. Advanced study from the human figure involving composition and sustained drawings.

203. **Figure Drawing III.** 3 hrs. Prerequisite: ART 202 or*. Advanced drawing from the figure involving composition, expression and personal vision.

212. **Crafts.** 3 hrs. A study of the techniques and problems involved with general crafts. May not be used toward the major in art or art education.

213. **Crafts.** 3 hrs. A continuation of ART 212. May not be used toward the major in art or art education.

221. **Technical Foundations for Painting.** 3 hrs. Prerequisites: ART 102, 112, 113 or *. Experimental problems with traditional painting media and techniques.

250. **Workshop in Ceramics.** 3 hrs. Traditional techniques in the forming, firing, and glazing of clay. May not be used toward the major or minor in art or art education. May be repeated. (CC 2613)

300. **Workshop in Drawing.** 1-3 hrs. Arr. A variety of drawing experiences which may be pursued by students at various levels. May not be used toward the major or minor. May be repeated.

301. **Drawing and Figure Modeling.** 3 hrs, repeatable once for additional 3 hrs. Prerequisite: ART 202 or *. Advanced study from the human figure involving composition, sustained drawings, and three-dimensional modeling.

302. **Drawing.** 3 hrs. Prerequisite: ART 202. Advanced study of visual form in drawing.

303. **Drawing.** 3 hrs. Prerequisite: ART 302. Advanced problematic study of form in drawing moving toward personal expression.

305. **Relief Printmaking.** 3 hrs. Prerequisites: ART 102, 112, 113, or *. A study of techniques and design for relief printmaking.

306. **Intaglio.** 3 hrs. Prerequisites: ART 102, 112, 113, or *. A study of techniques and design for intaglio printmaking.

307. **Lithography.** 3 hrs. Prerequisites: ART 102, 112, 113, or *. A study of techniques and design for lithographic printmaking.

308. **Serigraphy.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Techniques and design for serigraphic printmaking.

309. **Visual Art Elements.** 3 hrs. An introduction to visual art concepts and percepts, materials and application techniques for non-art majors.

311. **Design Concepts.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Studio problems in design that require visualization of concepts, with emphasis on exploring alternate media.

312. **Design and Computer.** 3 hrs. Prerequisite: ART 102, 112, 113, *. Studio problems in design, emphasis on individual needs as well as the introduction of the computer as a design tool.

313. **Photographic Design.** 3 hrs. Prerequisite: ART 102, 112, 113, *. Advanced studio problems in design, with emphasis on light-sensitive media.

314. **Advanced Design.** 3 hrs. Prerequisite: *. Advanced studio problems in design.

320. **Workshop in Painting.** 1-3 hrs. Painting experiences which may be pursued by students at various levels. May not be used toward the major or minor. May be repeated.

321. **Painting I.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Introduction to problematic study of form in painting, including experiments with painting media and technique.

322. **Painting II.** 3 hrs. Prerequisite: ART 321, or *. Intermediate problematic study of form in painting.

323. **Painting III.** 3 hrs. Prerequisite: ART 322, or *. Advanced problematic study of painterly form moving toward an introduction to personal expression.

331. **Directed Museum and Gallery Tour.** 1 hr. An elective addendum to ART 131. Field trip and tour of galleries and museums for the viewing of original works.

332. **History of Art I.** 3 hrs. A lecture course surveying Ancient through Medieval Art History .

334. **History of Art II.** 3 hrs. A lecture course surveying Renaissance, Baroque, Nineteenth, and Twentieth Century Art.

341. **Graphic Design I.** 3 hrs. Prerequisites: ART 102, 112, 113, or *. Introduction to the history, processes and procedures of graphic design and reproduction. Computer technology and its role in production is examined.

342. **Graphic Design II.** 3 hrs. Prerequisites: ART 102, 112, 113, or *. The study of letter forms, with an emphasis on typography as an expressive design element. Solutions involving traditional and computer methodologies.

343. **Graphic Design III.** 3 hrs. Prerequisites: ART 341, 342, or *. Design systems and presentation methods for graphic layout, with an emphasis on the integration of type and image.

344. **Illustration.** 3 hrs. Prerequisites: ART 203, 301, or *. Problems, solutions, and techniques involving the exploration of the image as a means of visual communication.

351. **Ceramics I.** 3 hrs, repeatable once for additional 3 hrs. Prerequisite: ART 102, 112, 113, or *. Experimental and traditional techniques in the manipulation of clay and plaster.

352. **Sculpture I.** 3 hrs, repeatable once for additional 3 hrs. Prerequisite: ART 102, 112, 113, or *. Experimental and traditional techniques in manipulation of sculptural materials and ordering them toward expression.

360. **Workshop Sculpture. I.** 3 hrs. An introduction to sculptured materials, techniques and concepts. May not be used toward the major or minor in Art or Art Education. May be repeated.

400. **The Art of Italy.** 3 hrs. Prerequisite:*. A travel/study course in the art of Italy.

412. **Crafts I.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Wood working. A study of the technique and problems involved in the creation of wood crafts.

413. **Crafts II.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Metal working. A study of the technique and problems involved in the creation of metal craft.

414. **Crafts III.** 3 hrs. Prerequisite: ART 102, 112, 113, or *. Weaving. A study of the technique and problems involved in the creation of various fabrics with fibrous materials.

415. **Contemporary Design Trends.** 3 hrs. A lecture course designed to inform about the current trends in the plastic and graphic arts, including historical precedents. Fulfills requirement of an art history elective.

420. **Contemporary Art Trends.** 3 hrs. Art trends are identified, developed, and discussed in terms of philosophies, practitioners, backgrounds, and techniques. A lecture course. Fulfills requirement of an art history elective.

421. **Painting IV.** 3 hrs. Prerequisites: ART 323, or *. A personal search in painting. Class discussion and criticism.

422. **Painting V.** 3 hrs. Prerequisites: ART 421, or *. Advanced development of a personal language and statement in painting.

423. **Painting VI.** 3 hrs. Prerequisites: ART 422, or *. A sustained individual effort in painting leading to the independent work of the senior project.

428. **Painting Project.** 3 or 6 hrs. Prerequisites: ART 422, and **. Independent expressive problem in painting culminating with an exhibition.

431. **Ancient Art History.** 3 hrs. Prerequisite: ART 332. Artistic achievements of the ancient world. A careful analysis of examples correlated with their background. Fulfills requirement of an art history elective.

432. **Medieval Art History.** 3 hrs. Prerequisite: ART 332. Art of the western civilizations from the fall of the Roman Empire to the end of the fourteenth century. Fulfills requirement of an art history elective.

433. **Renaissance Art History.** 3 hrs. Prerequisite: ART 334. Art of Italy, France, Germany, Spain, and the Low Countries from the close of the Middle Ages through the sixteenth century. Fulfills requirement of an art history elective.

434. **Baroque and Rococo Art History.** 3 hrs. Prerequisite: ART 334. The tracing of these movements through the western world from the close of the sixteenth through the eighteenth century. Fulfills requirement of an art history elective.

435. **Nineteenth Century Art History.** 3 hrs. Prerequisite: ART 334. An analysis of Neo- Classicism, Romanticism, and Impressionism. Fulfills requirement of an art history elective.

436. **Twentieth Century Art History.** 3 hrs. Prerequisite: Art 334. An analysis of Fauvism, Cubism, Futurism, Surrealism and Expressionism. Fulfills requirement of an art history elective.

441. **Graphic Communication I.** 3 hrs. Prerequisite: ART 343, or *. Solving conceptual visual problems which require the application of professional level graphic communication skills.

442. **Graphic Communication II.** 3 hrs. Prerequisite: ART 441, or *. Continuation of ART 441, with particular emphasis on professional procedure.

443. **Graphic Communication III.** 3 hrs. Prerequisite: ART 442. A continuation of ART 442, with particular emphasis on professional portfolio development.

448. **Graphic Communication Project.** 3 or 6 hrs. Prerequisite: ART 443, and **. A student initiated comprehensive design study in an area of specified interest under the direction of a committee of faculty advisors. Public presentation of portfolio.

451. **Ceramics II.** 3 hrs, repeatable once for additional 3 hrs. Prerequisite: ART 351. Aesthetic problems in three dimensional expression, emphasis clay or plaster.

452. **Sculpture II.** 3 hrs, repeatable once for additional 3 hrs. Prerequisite: ART 352. Aesthetic problems in three dimensional expression, emphasis wood, metal, or plastics.

453. **Ceramics III.** 3 hrs. Prerequisite: ART 451 twice. Utilitarian and aesthetic problems in three dimensional expression, emphasis clay.

454. **Sculpture III.** 3 hrs. Prerequisite: ART 452 twice. Three dimensional expression, emphasis on individual student interests and needs.

458. **Three Dimensional Design Project.** 3 or 6 hrs. Prerequisites: ART 453 or 454, and **. Independent Project in three-dimensional expression culminating with an exhibition.

491. **Art Internship.** 1-9 hrs. A professional work-training experience with a host organization, institution, or artist as a means of preparing for a career goal or further studies. Permission of the faculty intern supervisor and department chair required. May be repeated.

492. **Special Problems in Art.** 1-3 hrs. Prerequisite: Senior standing and consent of instructor. Individual research on an approved visual art problem. May be repeated. (Students undertaking a Senior Honors Project will enroll in ART H492.)

498. **British Studies, Art History.** 3-6 hrs. Variable content. Lecture series and research offered under the auspices of the Institute of Anglo- American Studies.

499. **British Studies, Art Studio.** 3-6 hrs. Variable content. Studio series offered abroad under the auspices of the Institute of Anglo-American Studies.

ART EDUCATION (ARE—665)

452. **Methods in Art.** 3 hrs. Prerequisite: Senior Standing. Stresses the aims, objectives, and methods of art education in the K-12 classroom.

482. **Student Teaching in Art Education I, II.** 7,7 hrs.

492. **Art Education Project.** 3 hrs. Prerequisites: Senior Standing. A research project to further the development of objectives, specialized art techniques, curriculum and methods of teaching in the K-12 classroom.

ASTRONOMY (AST—365)

111. **General Astronomy.** 3 hrs. Introduction to early astronomy, tools of astronomers, and the solar system.

111-L. **General Astronomy Laboratory.** 1 hr. Corequisite: AST 111.

112. **General Astronomy.** 3 hrs. Stellar structure, evolution of the Galaxy, extragalactic astronomy, and cosmology.

112-L. **General Astronomy Laboratory.** 1 hr. Corequisite: AST 112.

BIOLOGICAL SCIENCES (BSC—300)

Courses that may not be counted toward a major in Biological Sciences:

103. **Biological Science.** 3 hrs. Concepts and methods of biological science and their relationship to human affairs. Satisfies General Education Curriculum requirements for laboratory sciences (Category IV). Cannot be taken in combination with BSC 110 or 111 to meet the general education curriculum requirement.

103-L. **Biological Science Laboratory.** 1 hr.

107. **Heredity and Human Affairs.** 3 hrs. Foundations of human reproductive and heredity interrelationships and their significance in social, ethical, and moral problems.

107-L. **Heredity and Human Affairs Laboratory.** 1 hr. Corequisite for BSC 107.

108. **Microbes and Human Affairs.** 2 hrs. Introduction to basic characteristics of microorganisms and their role in human affairs.

108-L. **Microbes and Human Affairs Laboratory.** 2 hrs. Corequisite for BSC 108.

250. **Human Anatomy and Physiology I.** 3 hrs. Cells and tissues; integumentary, skeletal, muscular, immune, respiratory, and circulatory systems. Satisfies General Education Curriculum requirements for laboratory sciences (Category IV). (CC 1513, 2513, 1514, 2514)

250-L. **Human Anatomy and Physiology I Laboratory.** 1 hr. Corequisite for BSC 250. (CC 1511, 2511)

251. **Human Anatomy and Physiology II.** 3 hrs. Nutrition and metabolism; gastrointestinal, nervous, renal, endocrine, and reproductive systems. Satisfies General Education Curriculum requirements for laboratory sciences (Category IV). (CC 1523, 2523, 1524, 2524)

251-L. **Human Anatomy and Physiology II Laboratory.** 1 hr. Corequisite for BSC 251. (CC 1521, 2521)

280. **Microorganisms in Health and Disease.** 3 hrs. A survey of microorganisms of public significance for nursing students.

281. **Microorganisms in Food.** 3 hrs. Microbiology of domestic and commercially prepared foods. Satisfies General Education Curriculum requirements for laboratory sciences (Category IV).

281-L. **Microorganisms in Food Laboratory.** 1 hr. Corequisite for BSC 281.

Courses which may be counted toward a major in Biological Sciences:

110. **Principles of Biological Science I.** 3 hrs. Introduction to biological science, emphasizing cellular organization, genetics, ecology, and evolution. Satisfies the general education requirement for laboratory science. Cannot be taken in combination with BSC 103 to meet the general education curriculum requirement.

110-L. **Principles of Biological Science I Laboratory.** 1 hr. Corequisite for BSC 110.

111. **Principles of Biological Science II.** 3 hrs. Prerequisite: BSC 110 or equivalent. Introduction to biological science, emphasizing diversity, organisms, and organ systems. Satisfies the general education requirement for laboratory science. Cannot be taken in combination with BSC 103 to meet the general education curriculum requirement.

111-L. **Principles of Biological Science II Laboratory.** 1 hr. Corequisite for BSC 111.

201. **General Zoology.** 2 hrs. Prerequisite: BSC 110 and 111 or equivalent. Systematics, functional morphology, and ecological relationships of the major animal phyla. (CC 2414)

201-L. **General Zoology Laboratory.** 1 hr. Corequisite for BSC 201.

226. **General Botany.** 2 hrs. Prerequisite: BSC 110 and 111 or equivalent. Systematics, structure, physiology, growth and development of plants. (CC 1313, 1314)

226-L. **General Botany Laboratory.** 1 hr. Corequisite for BSC 226.

305. **Evolution.** 3 hrs. Prerequisites: BSC 110 or equivalent; BSC 201 and GLY 103 recommended. A comprehensive treatment of evolutionary theory.

360. **Cellular Physiology.** 3 hrs. Prerequisites: 8 hours of biology, 8 hours of chemistry; organic chemistry recommended. Cellular anatomy, chemistry, and physics.

361. **Comparative Anatomy.** 2 hrs. Phylogeny of the chordates, with special emphasis on vertebrate organ systems.

361-L. **Comparative Anatomy Laboratory.** 2 hrs. Corequisite for BSC 361.

370. **Genetics.** 4 hrs. Prerequisite: BSC 380 or BSC 110; one semester of organic chemistry recommended. The fundamental principles of heredity.

380. **General Microbiology.** 3 hrs. Prerequisites: BSC 110 and 111 or equivalent. Current concepts in microbiology, including microbial structure and function, physiology, genetics, ecology, and role in disease.

380-L. **General Microbiology Laboratory.** 1 hr. Corequisite for BSC 380.

382. **Microbial Ecology.** 3 hrs. Prerequisites: BSC 110, 111, 380. The study of the relationship between microorganisms and their biotic and abiotic environments.

400. **History of Biology.** 3 hrs. Lectures and papers concerning the development of biological sciences.

401. **Natural History of Animals.** 1 hr. Prerequisite: Consent of instructor. Life histories of animals. Designed for teachers.

401-L. **Natural History of Animals Laboratory.** 2 hrs. Corequisite for BSC 401.

402. **Natural History of Plants.** 1 hr. Prerequisite: Consent of instructor. Life histories of plants.

402-L. **Natural History of Plants Laboratory.** 2 hrs. Corequisite for BSC 402.

403. **Natural History of Infectious Diseases.** 3 hrs. A study of infectious diseases and their effect on man.

404. **Field Biology.** 1-2 hrs. arr. Ecological and taxonomic studies. Offered between semesters as 4- to 12-day field trips.

404-L. **Field Biology Laboratory.** 2-4 hrs. Corequisite for BSC 404.

406. **Zoogeography.** 3 hrs. Prerequisite: Consent of instructor. A descriptive and analytical study of the distribution of animals.

408. **Invertebrate Zoology I.** 2 hrs. Prerequisite: BSC 110, 111, 201. Functional morphology, systematics, and life histories of the phyla Porifera through the minor protostomes.

408-L. **Invertebrate Zoology I Laboratory.** 1 hr. Corequisite for BSC 408.

409. **Invertebrate Zoology II.** 2 hrs. Prerequisite: BSC 408 or permission of instructor. Functional morphology, systematics, and life histories of invertebrate phyla through the Hemichordata.

409-L. **Invertebrate Zoology II Laboratory.** 1 hr. Corequisite for BSC 409.

410. **Human Parasitology.** 3 hrs. Prerequisites: BSC 110, 201. Life histories, medical significance, and diagnosis of helminths and protozoa parasitic in man.

410-L. **Human Parasitology Laboratory.** 1 hr. Corequisite for BSC 410.

411. **Entomology.** 2 hrs. Prerequisites: BSC 110, 111. Structural adaptations, classification, life histories and habits, and the economic importance of insects.

411-L. **Entomology Laboratory.** 1 hr. Corequisite for BSC 411.

412. **Medical Entomology.** 2 hrs. Prerequisite: Consent of instructor. Arthropod vectors and agents of disease.

412-L. **Medical Entomology Laboratory.** 1 hr. Corequisite for BSC 412.

413. **Arachnida Biology.** 2 hrs. Prerequisites: BSC 110, 111. Biology, morphology, and classification of the arachnids.

413-L. **Arachnida Biology Laboratory.** 1 hr. Corequisite for BSC 413.

414. **Ichthyology.** 2 hrs. Evolutionary relationships, morphology, physiology and zoogeography of fishes, with emphasis on identification of local forms.

414-L. **Ichthyology Laboratory.** 1 hr. Corequisite for BSC 414.

415. **Biology of Fishes.** 2 hrs. Prerequisite: Consent of instructor. Functional morphology, ecology and behavior of fishes.

415-L. **Biology of Fishes Laboratory.** 2 hrs. Corequisite for BSC 415.

416. **Introduction to Fishery Science.** 2 hrs. A survey of the biology, management, and potential yield of fish populations.

416-L. **Introduction to Fishery Science Laboratory.** 1 hr. Corequisite for BSC 416.

417. **Herpetology.** 2 hrs. Prerequisites: BSC 110, 111. Collection, preservation, identification and distribution of amphibians and reptiles. Field trips when possible.

417-L. **Herpetology Laboratory.** 1 hr. Corequisite for BSC 417.

418. **Avian Biology.** 3 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of birds.

418-L. **Avian Biology Laboratory.** 1 hrs. Corequisite for BSC 418.

419. **Mammalogy.** 2 hrs. Prerequisite: BSC 361 recommended. Morphology, taxonomy, life history, distribution, evolution, and adaptations of mammals.

419-L. **Mammalogy Laboratory.** 1 hr. Corequisite for BSC 419.

421. **Marine Invertebrate Zoology.** 3 hrs. Prerequisite: 16 hrs. of biology, including general zoology. Morphology, distribution and ecology of the phyla from Protozoa through Protochordates. (May be taken as MAR 403.)

421-L. **Marine Invertebrate Zoology Laboratory.** 3 hrs. Corequisite for BSC 421. (May be taken as MAR 403L.)

423. **Science and Society: from Copernicus to the Bomb.** 3 hrs. An interdisciplinary course designed for both science and liberal arts students. Traces the development of science and technology and their role in society from the Renaissance to the present. (Cross-listed as HIS 423 and HUM 423.)

424. **Parasites of Marine Animals.** 3 hrs. Prerequisite: Permission of instructor. Emphasis on morphology, taxonomy, life histories, and host-parasite relationships. (May be taken as MAR 404.)

424-L. **Parasites of Marine Animals Laboratory.** 3 hrs. Corequisite for BSC 424. (May be taken as MAR 404L.)

425. **Marine Phycology.** 2 hrs. Prerequisites: General botany and plant taxonomy. A survey of the principal groups of marine algae. (May be taken as MAR 420.)

425-L. **Marine Phycology Laboratory.** 2 hrs. Corequisite for BSC 425. (May be taken as MAR 420L.)

426. **Introductory Mycology.** 3 hrs. Prerequisite: Consent of instructor. Systematics, morphology, physiology, and ecology of fungi.

426-L. **Introductory Mycology Laboratory.** 1 hr. Corequisite for BSC 426.

427. **Introductory Phycology.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, physiology, and biochemistry of the algae.

427-L. **Introductory Phycology Laboratory.** 1 hr. Corequisite for BSC 427.

428. **Plant Anatomy.** 2 hrs. Prerequisite: Consent of instructor. A study of the anatomy of vascular plants.

428-L. **Plant Anatomy Laboratory.** 1 hr. Corequisite for BSC 428.

429. **Bryophytes and Vascular Plants.** 3 hrs. Prerequisite: Consent of instructor. Life cycles, evolution, and morphology of bryophytes and vascular plants.

429-L. **Bryophytes and Vascular Plants Laboratory.** 1 hr. Corequisite for BSC 429.

430. **Aquatic and Marsh Plants.** 2 hrs. Prerequisite: Consent of instructor. Collection, identification, and ecology of plants of fresh and brackish water.

430-L. **Aquatic and Marsh Plants Laboratory.** 1 hr. Corequisite for BSC 430.

431. **Plant Physiology.** 3 hrs. Prerequisite: General and organic chemistry recommended. The basic physiological processes of green plants.

431-L. **Plant Physiology Laboratory.** 1 hr. Corequisite for BSC 431.

432. **Economic Botany.** 2 hrs. Prerequisite: Consent of instructor. Origin, distribution, and significance of plants most important to man.

432-L. **Economic Botany Laboratory.** 1 hr. Corequisite for BSC 432.

433. **Taxonomy of Local Flora.** 2 hrs. Prerequisites: BSC 110, 111. The classification of local flora.

433-L. **Taxonomy of Local Flora Laboratory.** 1 hr. Corequisite for BSC 433.

434. **Dendrology.** 2 hrs. Prerequisites: BSC 110, 111. The taxonomic and ecological characteristics, and the distribution of trees.

434-L. **Dendrology Laboratory.** 1 hr. Corequisite for BSC 434.

435. **Plant Ecology.** 3 hrs. Prerequisite: Advanced standing in botany. Relationship of plants to their environment.

435-L. **Plant Ecology Laboratory.** 1 hr. Corequisite for BSC 435.

436. **Conservation Biology.** 3 hrs. Prerequisite: Advanced standing in botany and zoology or consent of instructor. The biology of plant and animal populations in human-generated environments, with emphasis on their long-term management.

436-L. **Conservation Biology Laboratory.** 1 hr. Corequisite: BSC 436. Labs consist of six full-day field trips held on Saturday.

437. **Coastal Vegetation.** 2 hrs. Prerequisite: 10 hrs. of biology, including general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples. (May be taken as MAR 421.)

437-L. **Coastal Vegetation Laboratory.** 1 hr. Corequisite for BSC 437. (May be taken as MAR 421L.)

438. **Salt Marsh Plant Ecology.** 2 hrs. The botanical aspects of local marshes: includes plant identification, composition, and structure. (May be taken as MAR 422.)

438-L. **Salt Marsh Plant Ecology Laboratory.** 2 hrs. Corequisite for BSC 438. (May be taken as MAR 422L.)

439. **Marine Ecology.** 3 hrs. Prerequisite: 16 hrs. of biology. The relationship of marine organisms to their environment. (May be taken as MAR 405.)

439-L. **Marine Ecology Laboratory.** 2 hrs. Corequisite for BSC 439. (May be taken as MAR 405L.)

440. **Ecology.** 3 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the relationships of organisms to their environment and to each other.

440-L. **Ecology Laboratory.** 1 hr. Corequisite for BSC 440.

441. **Population and Community Ecology.** 2 hrs. Collection, analysis, and interpretation of data on natural populations and communities.

441-L. **Population and Community Ecology Laboratory.** 1 hr. Corequisite for BSC 441.

442. **Behavioral Ecology.** 3 hrs. Prerequisites: BSC 455 and 440 recommended. The adaptive significance and evolution of behavior.

442-L. **Behavioral Ecology Laboratory.** 1 hr. Corequisite: BSC 442.

443. **Freshwater Biology.** 3 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The study of the biota of ponds, lakes, rivers, and streams.

443-L. **Freshwater Biology Laboratory.** 1 hr. Corequisite for BSC 443.

444. **Limnology.** 2 hrs. Prerequisites: BSC 110 and 111, or consent of instructor. The physical, chemical and biological dynamics of inland waters.

444-L. **Limnology Laboratory.** 1 hr. Corequisite for BSC 444.

445. **Introduction to Biological Oceanography.** 3 hrs. Prerequisites: BSC 110, 111, 201. Marine biological regimes and the influence of geological, physical, and chemical oceanographic factors.

445-L. **Introduction to Biological Oceanography Laboratory.** 1 hr. Corequisite for BSC 445.

446. **Aquaculture.** 2 hrs. Prerequisites: 12 hours of biology and 8 hours of chemistry. Production of aquatic organisms in natural and artificial environments.

446-L. **Aquaculture Laboratory.** 1 hr. Corequisite for BSC 446.

447. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks. (May be taken as MAR 407.)

447-L. **Marine Aquaculture Laboratory.** 3 hrs. Corequisite for BSC 447. (May be taken as MAR 407L.)

448. **Fauna and Faunistic Ecology of Tidal Marshes.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals. (May be taken as MAR 406.)

448-L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. Corequisite for BSC 448. (May be taken as MAR 406L.)

449. **Marine Fisheries Management.** 2 hrs. Prerequisite: Statistics recommended. A statistical review of the world fisheries. (May be taken as MAR 410.)

449-L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite for BSC 449. (May be taken as MAR 410L).

450. **General Physiology.** 3 hrs. Organismic function and the adaptations which characterize major animal groups.

451. **Mammalian Physiology.** 3 hrs. The functions of mammalian systems; interrelationships and regulation are emphasized.

452. **Environmental Physiology.** 3 hrs. Physiological adaptations enabling animals to meet environmental challenges.

453. **Invertebrate Physiology.** 3 hrs. Prerequisite: 12 hours of biology. A functional approach to the major invertebrate phyla.

454-L. **Physiology Laboratory.** 2 hrs. Experimental techniques in physiology. To be taken once only, as an optional laboratory with BSC 450, BSC 451, BSC 452, or BSC 453.

455. **Animal Behavior.** 3 hrs. Prerequisite: BSC 201. Classical and current concepts of animal behavior including individual and social behavioral patterns.

455-L. **Animal Behavior Laboratory.** 1 hr. Corequisite: BSC 455. Experimental and observational techniques in behavior.

460. **Pharmacology.** 3 hrs. Prerequisites: Vertebrate biology and organic chemistry. The response of living organisms to drugs.

461. **Histology.** 4 hrs. Prerequisite: 12 hours of biology. Microscopic anatomy of mammalian organ systems.

461-L. **Histology Laboratory.** Corequisite for BSC 461; no separate credit given for the laboratory.

462. **Microtechnique.** 1 hr. Techniques for sectioning, mounting, and staining tissue and making whole amounts.

462-L. **Microtechnique Laboratory.** 2 hrs. Corequisite for BSC 462.

463. **Pathobiology.** 2 hrs. Prerequisite: BSC 461. Principles of histopathology in vertebrates.

463-L. **Pathobiology Laboratory.** 1 hr. Corequisite for BSC 463.

464. **Microscopy.** 2 hrs. Theory and use of the electron microscope and associated instrumentation, and darkroom techniques.

464-L. **Microscopy Laboratory.** 1 hr. Corequisite for BSC 464.

465. **Embryology.** 2 hrs. Prerequisite: Consent of instructor. Maturation, fertilization, cleavage, histogenesis, and organogenesis.

465-L. **Embryology Laboratory.** 2 hrs. Corequisite for BSC 465.

466. **Human Embryology.** 3 hrs. Factors which activate or regulate developmental processes.

467. **Diseases of Aquatic Animals.** 2 hrs. Prerequisites: BSC 110, 111. Bacterial, fungal, viral and parasitic diseases of freshwater and marine fish, shellfish and crustacea.

467-L. **Diseases of Aquatic Animals Laboratory.** 2 hrs. Corequisite for BSC 467.

468. **Comparative Histology of Marine Organisms.** 3 hrs. Histology of Marine organisms, including tissue processing techniques. (May be taken as MAR 430.)

468-L. **Comparative Histology of Marine Organisms Laboratory.** 3 hrs. Corequisite for BSC 468. (May be taken as MAR 430L.)

471. **Advanced Genetics.** 2 hrs. Prerequisite: BSC 370. A continuation of BSC 370.

471-L. **Advanced Genetics Laboratory.** 2 hrs. Corequisite for BSC 471. Laboratory exercises to illustrate basic genetic principles.

475. **Medical Genetics.** 3 hrs. The basic principles of human genetics with emphasis on the causation of abnormality and disease. Cannot be substituted for BSC 370.

476. **Molecular Biology.** 3 hrs. Prerequisite: BSC 370 or 477. Molecular biology of viral, prokaryotic and eukaryotic systems.

477. **Microbial Genetics.** 3 hrs. Prerequisite: BSC 370. The genetics and molecular biology of microorganisms and bacteriophages.

477-L. **Microbial Genetics Laboratory.** 1 hr. Corequisite for BSC 477.

478-L. **Molecular Biology Laboratory.** 4 hrs. Prerequisite: BSC 476 or BSC 477, or permission of the instructor. The paradigms of molecular biology in a laboratory setting.

481. **Pathogenic Microbiology.** 3 hrs. Schemes for isolation and identification of major groups of disease-producing microorganisms.

481-L. **Pathogenic Microbiology Laboratory.** 1 hr. Corequisite for BSC 481.

482. **Advanced Pathogenic Microbiology.** 2 hrs. Continuation of BSC 481.

482-L. **Advanced Pathogenic Microbiology Laboratory.** 2 hrs. Corequisite for BSC 482.

484. **Virology and Tissue Culture.** 3 hrs. Viral classification, replication, and molecular biology.

484-L. **Virology and Tissue Culture Laboratory.** 1 hr. Corequisite for BSC 484. Basic and applied tissue culture techniques.

485. **Viral Pathogenesis and Diagnosis.** 3 hrs. Host-viral interaction from a pathological and immunological viewpoint.

485-L. **Viral Pathogenesis and Diagnosis Laboratory.** 1 hr. Corequisite for BSC 485. Principles of viral serology and isolation.

486. **Immunology and Serology.** 3 hrs. A study of the cellular, chemical, and genetic mechanisms of the immune response.

486-L. **Immunology and Serology Laboratory.** 1 hr. A laboratory introduction to cellular and serologic immune reactions and their diagnostic usefulness.

487. **Microbial Physiology.** 3 hrs. A comprehensive survey of bacterial structure, nutrition, and biochemistry.

487-L. **Microbial Physiology Laboratory.** 1 hr. Corequisite for BSC 487.

488. **Food Microbiology.** 2 hrs. Microorganisms affiliated with the preparation, spoilage, pathogenicity, and sanitation of foods.

488-L. **Food Microbiology Laboratory.** 2 hrs. Corequisite for BSC 488.

489. **Environmental Microbiology.** 3 hrs. Microbiology of water/air/soil; bioremediation.

489-L. **Environmental Microbiology Laboratory.** 1 hr. Corequisite for BSC 489.

490. **Marine Microbiology.** 3 hrs. Prerequisite: General Microbiology. An introduction to the role of microorganisms in the overall ecology of the oceans and estuaries. (May be taken as MAR 409.)

490-L. **Marine Microbiology Laboratory.** 2 hrs. Corequisite for BSC 490. (May be taken as MAR 409L.)

492. **Special Problems I, II, III.** 1-6 hrs. A course in library and/or laboratory research selected in consultation with the adviser. (Students undertaking a Senior Honors Project will enroll in BSC H492.)

495. **Application of Basic Concepts for Secondary School.** 3 hrs. Prerequisite: Admission to Teacher Education Program and permission of instructor. Techniques and methods in teaching biology integrating the implications of science, technology, and society.

495L. **Application of Basic Concepts for Secondary School Laboratory.** 2 hrs. Corequisite for BSC 495. Laboratory experiments and field experiences in secondary school biology teaching.

496. **Undergraduate Seminar I, II, III.** 1 hr. The presentation and discussions of current biological topics.

497. **Senior Practicum.** 1 hr. Prerequisite: Advanced senior standing and permission of instructor. Exercises and experiences to evaluate and develop or improve selected key professional skills. (All Biological Sciences majors must register for this course during their last academic year semester before graduation.)

BUSINESS ADMINISTRATION (BA—616)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

100. **Introduction to Business.** 3 hrs. An introductory course to the major aspects of the business world. Not open to juniors and seniors enrolled in the College of Business Administration. (CC 1113)

200. **The Legal Environment of Business.** 3 hrs. The study of the legal, political, and regulatory environment in which businesses operate. (CC 2413)

300. **Business Administration Junior Seminar.** 1 hr. Prerequisite: Junior standing in Business Administration. Topics related to career planning, student success, and opportunities in the College of Business Administration.

301. **Managerial Statistics I.** 3 hrs. Prerequisites: MAT 102, MIS 201, 202. Basic concepts: central tendency and dispersion; probability; binomial, Poisson, and normal distributions; estimation; hypothesis testing; analysis of variance.

303. **Regression Analysis.** 1.5 hrs. Prerequisite: BA 301. Continuation of BA 301. The use of regression analysis for managerial decision making.

400. **Business Administration Senior Seminar.** 1.5 hrs. Prerequisite: Senior standing in Business Administration. Discussions of issues related to career and personal success, as well as various assessment activities.

411. **Advanced Business Law.** 3 hrs. Prerequisite: BA 200. A study of selected legal topics relating to credit, financial, and accounting practices.

BUSINESS TECHNOLOGY EDUCATION (BTE—105)

101. **Keyboarding for Information Processing.** 3 hrs. Development of basic keyboarding skills useful to a broad spectrum of individuals and disciplines. Designed to enhance the individuals potential for efficient processing of both words and data on the computer.

102. **Intermediate Typewriting and Introduction to Word Processing.** 3 hrs. Ability to type by touch. A thorough review of manipulative input devices with an emphasis on formatting. Letter styles, manuscripts, and tabulations are covered, utilizing industry-current software (WordPerfect 5.1).

200. **Introduction to Business Communication.** 3 hrs. Basic mechanics of grammar usage and punctuation for business communications.

201. **College Notetaking.** 3 hrs. Theory principles; emphasis on fluency of reading and writing; some dictation and transcription. Laboratory included. (JC 1213)

202. **Advanced Notetaking.** 3 hrs. Review of alphabetic or machine shorthand principles with emphasis on advanced recording techniques, pre- transcription factors, and transcription activities.

310. **Advanced Word Processing.** 3 hrs. Advanced production and editing of documents with emphasis on speed and accuracy; completion of simulation projects using industry-current software (WordPerfect 5.1).

452. **History and Philosophy of Vocational Education.** 3 hrs. History, concepts, office occupations, employment opportunities, procedures, and techniques.

453. **Techniques of Coordination.** 3 hrs. Techniques and procedures used in coordinating office occupations programs and distributive education programs.

454. **Methods in Teaching Marketing Education.** 3 hrs. Principles, concepts, program plans, curricula, methods and instructional materials, activities, research, and evaluation.

455. **Organization and Administration of Distributive Education.** 3 hrs. Basic problems, objectives, and characteristics of DE programs as applied in their development.

456. **Methods in General and Vocational Business Education.** 3 hrs. Preparation of prospective business teachers for certification in intensive business training and vocational office training.

461. **Information Processing I.** 3 hrs. Microcomputer knowledge and skill development via document production utilizing integrated software (word processing, database, chart/spreadsheet, communication), in conjunction with the Macintosh Operating System.

463. **Information Processing II.** 3 hrs. Microcomputer knowledge and skill development through the production of documents and business/technical presentations utilizing integrated and presentation software within the MS DOS or windows environment.

465. **Microcomputer Applications in Business Technology Education.** 3 hrs. Skill development in use of multiple software packages appropriate to teaching and managing technology education.

467. **Desktop Publishing and Presentation Graphics.** 3 hrs. Prerequisite: Any 3 hr. computer course or permission of instructor. Office based microcomputer production of typeface/graphics enhanced media, designed to be both pleasing in appearance and effective in communication.

469. **Computer Based Instructional Technology.** 3 hrs. Prerequisite: Any 3 hr. computer course or permission of instructor. Interactive instructional design and applications. Introduction to hypermedia tools, authoring systems, CAI software reviews/evaluations, and hands-on interactive module production.

475. **Legal Secretaryship.** 3 hrs. A course stressing the professional aspects of legal practices, procedures, and terminology.

477. **Medical Transcription.** 3 hrs. Emphasis on medical terminology, records, and forms, with limited transcription.

478. **Advanced Medical Transcription.** 3 hrs. Prerequisite: BED 477. Emphasis on additional medical terminology, with increased emphasis on transcription.

479. **Review for the Certified Professional Secretary Examination.** 3 hrs. Prerequisites: Typewriting skill. A course to prepare persons for the Certified Professional Secretary Examination. Not to be counted toward any degree at The University of Southern Mississippi.

480. **Organizational Communication.** 3 hrs. Prerequisites: ENG 101, 102, and junior standing. A study of communication in business organizations and the application of theory and methodology with emphasis on writing letters and reports.

485. **Administrative Office Management and Procedures.** 3 hrs. Prerequisite: Junior standing. A study of the management of the electronic office emphasizing computerized office procedures.

492. **Special Problems in Business Education.** 1-3 hrs. Study approved and directed by the department chair. (Students undertaking a Senior Honor Project will enroll in BED H492.)

*Prerequisite for all typewriting and shorthand courses—Grade of C or better in the preceding course or equivalent coursework.

CHEMISTRY AND BIOCHEMISTRY (CHE—320)

100. **Introductory Chemistry.** 3 hrs. Prerequisite: High school algebra or MAT 101, either of which may be taken concurrently. A preparatory course (for CHE 106) in chemical fundamentals; does not satisfy core requirements in any academic college.

104. **Chemistry, Principles and Applications.** 3 hrs. For nonscience majors. Emphasis on the impact of chemical discovery and technology on the individual and society. This course satisfies the Science Core Requirement except in the College of Science and Technology and the Schools of Nursing and Family and Consumer Sciences. Concurrent registration in CHE 104L is required.

104-L. **Chemistry, Principles and Applications Laboratory.** 1 hr. A laboratory designed to accompany CHE 104. Concurrent registration in CHE 104 is required.

106. **General Chemistry I.** 3 hrs. Prerequisites: High school chemistry or CHE 100. High school algebra or MAT 101, which may be taken concurrently. Molecular structure, stoichiometry, the mole concept, types of solutions, energy-enthalpy. Concurrent registration in CHE 106L is required. (CC 1213, 1214, 1215)

106-L. **General Chemistry I Laboratory.** 1 hr. A laboratory designed to accompany CHE 106. Concurrent registration in CHE 106 is required. (CC 1211)

107. **General Chemistry II.** 3 hrs. Prerequisites: CHE 106 and MAT 101. Gases, kinetics, equilibria, thermodynamics, electrochemistry, nuclear chemistry, coordination compounds. Concurrent registration in CHE 107L is required. (CC 1223, 1224, 1225)

107-L. **General Chemistry II Laboratory.** 1 hr. A laboratory designed to accompany CHE 107. Concurrent registration in CHE 107 is required. (CC 1221)

251. **Elementary Organic Chemistry.** 3 hrs. Prerequisite: CHE 106. A course which includes nomenclature and reactions of aliphatic and aromatic hydrocarbons, acids, aldehydes, ketone, and amines, and stereochemistry. Concurrent registration in CHE 251L is required. (CC 2413, 2414)

251-L. **Elementary Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 251. Concurrent registration in CHE 251 is required. (CC 2411)

255. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 107. Aliphatic compounds: nomenclature, reaction mechanisms, stereochemistry. Concurrent registration in CHE 255L is required. (CC 2423, 2424, 2425)

255-L. **Organic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 255. Concurrent registration in CHE 255 is required. (CC 2421, 2422)

256. **Organic Chemistry.** 3 hrs. Prerequisite: CHE 255. Aromatic compounds, acids, acid derivatives, aldehydes, ketones, amines, phenols, and spectroscopic analysis. Concurrent registration in CHE 256L is required. (CC 2433, 2434, 2435)

256-L. **Organic Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 256. Concurrent registration in CHE 256 is required. (CC 2431, 2432)

300. **Chemical Safety.** 3 hrs. Prerequisite: CHE 251 or 256 or permission of the instructor. Hazards of various commonly used chemicals. Includes 3 hours of laboratory per week.

311. **Analytical Chemistry.** 3 hrs. Prerequisite: CHE 107. Chemical equilibrium. Gravimetric and columetric analysis. Introductory instrumental analysis. Concurrent registration in CHE 311L is required.

311-L. **Analytical Chemistry Laboratory.** 2 hrs. A laboratory designed to accompany CHE 311. Concurrent registration in CHE 311 is required.

331. **Descriptive Inorganic Chemistry.** 2 hrs. Pre- or Corequisites: CHE 107, 107L. Chemistry of the elements emphasizing the synthesis, structure, reactions and periodic trends of inorganic compounds.

361. **Survey of Physical Chemistry.** 4 hrs. Prerequisites: CHE 311 and one of MAT 314, 168 or 178. Gas laws, kinetics, chemical thermodynamics, electrochemistry, quantum mechanics and spectroscopy.

400. **Chemical Literature.** 2 hrs. Prerequisites: CHE 256 and 311. The selection and use of the reference materials of chemistry (periodicals, journals, texts, patents, etc.), and the development of writing skills.

404. **Spectral Elucidation of Structure.** 3 hrs. Prerequisite: Permission of the Instructor. Applications of vibrational, electronic, nuclear magnetic resonance, and mass spectrometry to structure determination.

409. **Chemistry Laboratory Teaching.** 1 hr. Prerequisite: Permission of instructor. Instruction and practice for teaching assistants in the academic chemistry laboratory.

410. **Safety Principles and Procedures in the Chemical Sciences.** 1 hr. Prerequisite: CHE 256 or permission of instructor. Common laboratory hazards and their remediation. (May be taken as PSC 410.)

411. **Instrumental Analysis.** 3 hrs. Prerequisite: CHE 462. Theory and practice of instrumental methods of analysis; absorption spectroscopy, chromatography, magnetic resonance, mass spectroscopy, electrometric methods and fundamental electronics. Concurrent registration in CHE 411L is required.

411-L. **Instrumental Analysis Laboratory.** 1 hr. A laboratory designed to accompany CHE 411. Concurrent registration in CHE 411 is required.

420. **Principles of Biochemistry.** 3 hrs. Prerequisite: CHE 251 or equivalent. A one-semester course covering the fundamentals of biochemistry.

420-L. **Principles of Biochemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 420. Concurrent registration in CHE 420 is required.

421. **Biochemistry I.** 3 hrs. Prerequisite: CHE 256. The properties of amino acids, proteins, carbohydrates, lipids, and nucleic acids; actions of enzymes and protein synthesis.

421-L. **Biochemistry I Laboratory.** 2 hrs. An optional laboratory course to accompany CHE 421. Concurrent registration in CHE 421 is required.

422. **Biochemistry II.** 3 hrs. Prerequisite: CHE 421. Major metabolic pathways with emphasis on energy considerations and interrelationships of the pathways.

422-L. **Biochemistry II Laboratory.** 2 hrs. Prerequisite: CHE 421L. A continuation of CHE 421L. Concurrent registration in CHE 422 is required.

423. **Analytical Biochemistry.** 3 hrs. Prerequisite: CHE 421. A survey of methods used by biochemists to detect and characterize biologically important molecules.

431. **Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 462. Electronic state transitions and spectra, coordination chemistry, reaction kinetics and mechanisms, special topics.

431-L. **Inorganic Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 431. Concurrent registration in CHE 431 is required.

432. **Descriptive Inorganic Chemistry.** 3 hrs. Prerequisite: CHE 431. Models, concepts, bonding and periodic trends in inorganic chemistry, special topics.

451. **Qualitative Organic Analysis.** 4 hrs. Prerequisite: CHE 256. The systematic identification of pure organic compounds and the analysis of mixtures. Includes 6 hours of laboratory per week.

461. **Physical Chemistry.** 3 hrs. Prerequisites: CHE 256, PHY 202 or 112, and MAT 168 or 178. Pre- or Corequisite: CHE 311. Chemical thermodynamics. Concurrent registration in CHE 461L is required.

461-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 461. Concurrent registration in CHE 461 is required.

462. **Physical Chemistry.** 3 hrs. Prerequisites: CHE 256, 311; PHY 202 or 112; MAT 168 or 178. Kinetics and quantum chemistry. Concurrent registration in CHE 462L is required.

462-L. **Physical Chemistry Laboratory.** 1 hr. A laboratory designed to accompany CHE 462. Concurrent registration in CHE 462 is required.

471. **Teaching Chemistry in the Secondary School.** 3 hrs. Prerequisites: CHE 311 and 311L. Application of chemical knowledge to designing, developing, and assessing instruction. Concurrent registration in CHE 471L is required.

471-L. **Laboratory for Teaching Chemistry in the Secondary School.** 1 hr. A laboratory designed to accompany CHE 471. Concurrent registration in CHE 471 is required.

492. **Special Projects.** 1-3 hrs. Prerequisites: CHE 256 and permission of instructor. A special project performed under the direction of a faculty advisor and terminated by a formal written report. May be repeated once for credit. (Students undertaking a Senior Honors Project will enroll in CHE H492).

494. **Industrial Internship in Chemistry.** 3 hrs. Prerequisite: Permission of faculty. Structured experience in chemical industry. Includes final report. May be substituted for CHE 496.

496. **Research.** 1-3 hrs. Prerequisite: CHE 462 and permission of faculty. A senior level research problem performed under the direction of a faculty adviser and terminated by a formal written report. May be repeated once for credit. (Students undertaking a Senior Honors Project will enroll in CHE H496.)

CHILD DEVELOPMENT (CD—805)

150. **Child and Family in the Community.** 3 hrs. Explores the influence of environmental, psychological, cultural, and societal factors on the growth and development of young children within the family.

350. **Child Development.** 3 hrs. Designed to create interest in young children and to foster understanding of their development and behavior patterns. Includes weekly laboratory experiences.

352. **Behavior and Guidance of the Young Child.** 3 hrs. Developmental behavior patterns and guidance principles for young children. Includes weekly laboratory experiences.

359. **Preschool Teachers' Workshop I, II, III.** 1 hr. For teachers, administrators, and educational leaders of early childhood centers with emphasis on administration, curriculum, and other appropriate subjects.

450. **Administration of Programs for Preschool Children.** 3 hrs. Prerequisite: 3 hrs. in Child Development. Evaluation of policies and procedures, organizational structure, and management will be emphasized.

451. **Infant Development.** 3 hrs. Emphasis is given to the development and behavior of the infant and toddler. Includes weekly laboratory experiences. Supervised activities included.

452. **Child Development Methods and Materials.** 3 hrs. Prerequisites: CD 350 and CD 352. Evaluation and selection of materials used in developing teaching techniques and program planning in early childhood. Includes weekly laboratory experiences.

453. **Creative Activities for the Preschool Child.** 3 hrs. A study of creative activities for young children. Includes weekly laboratory experiences.

455. **Supervised Participation.** 6 hrs. Prerequisite: CD 350 and CD 452. Directed participation in programs for young children.

456. **Internship in Child Life.** 6 hrs. Prerequisites: CD 350 and 452. Understanding the operation of a child life program through a supervised work experience in a cooperating hospital.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. (var) Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

492. **Special Problems in Child Development.** 1-4 hrs. Prerequisites: CD 350 and consent of instructor. (Students undertaking a Seniors Honors Project will enroll in CD H492.)

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

COMMUNITY HEALTH SCIENCES (CHS—750)

101. **Personal Wellness.** 3 hrs. An examination of the relationships of various lifestyle components to various levels of wellness. (CC 1213)

210. **Introduction to Health Education.** 3 hrs. A study of the health education profession, specialties, manpower, and philosophies.

321. **Community Health.** 3 hrs. Introduction to community health practices, professional standards, policy and functioning of health agencies.

341. **Safety.** 3 hrs. Accident problems, safety programs, and methods of prevention.

408. **Health Education Methods.** 3 hrs. A survey of teaching methods that are appropriate for health education program delivery.

409. **Community Health Education Planning.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. Diagnostic phases preceding program development, skills in planning, organization, and implementation of health education programs in the community.

410. **School Health Education Planning.** 3 hrs. Diagnostic phases preceding program development, skills in planning, organization, and implementation of school health education programs.

411. **Health Education Curriculum for Secondary Schools.** 3 hrs. Varieties of curriculum organization, scope and sequence, survey of education content, facilities and equipment.

412. **Measurement and Evaluation in Health Education.** 3 hrs. Prerequisite: CHS 409 or 410. A survey of evaluation instruments for appraising and interpreting health data.

414. **Consumer Health.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. A survey of consumer problems related to health misconceptions, choosing health services, medical quackery, and advertising of health products.

415. **School Health Program.** 3 hrs. Prerequisites: CHS 410, 412. Organization and operation of school health programs with emphasis on instruction, environment and services.

420. **Communicable and Chronic Disease in Man.** 3 hrs. Prerequisites: CHS 101 or permission of instructor. Problems, control, and prevention of communicable and chronic disease in modern society.

421. **Sanitation.** 3 hrs. Prerequisites: CHS 210 or permission of instructor. Sanitation in the home and school, in food production, water supply, waste, and excreta disposal.

422. **Drugs and the Whole Person.** 3 hrs. Prerequisite: CHS 101 or permission of instructor. Psychosocial, medical, legal, and health aspects of drugs and their abuse.

425. **Health Administration.** 3 hrs. An introduction to health program administration including organization, financing, delivery systems, and manpower development.

427. **Health Policy.** 3 hrs. The role of the health educator in the development of public health policy, influencing social policy, and planning for social change.

430. **Human Sexuality.** 3 hrs. Physical, emotional, and social aspects of human sexuality.

431. **Sexuality Education.** 3 hrs. Prerequisites: CHS 210 or permission of instructor. Theory, methods, materials for planning, organizing, and implementing sexuality in school and community settings.

436. **Stress Management Techniques.** 3 hrs. Prerequisite: CHS 210 or permission of instructor. To acquaint students with educational programming related to stress management with specific techniques to manage stress.

437. **Health Education in Clinical Settings.** 3 hrs. Analysis of the role, methods, and technology of health education pertaining to health care clinics and patient education.

438. **Workplace Health Promotion.** 3 hrs. Study of health education theory and practice as applied to occupational health.

440. **Introduction to Biostatistics.** 3 hrs. Introduction to statistical analysis in health related fields. Application of descriptive and inferential statistics, measures in epidemiology and health services research.

470. **Health Law and Justice.** 3 hrs. Prerequisite: CHS 425 or permission of instructor. An examination of social and legal principles impacting health care delivery in the U.S.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

490. **Special Topics.** 1-3 hrs. A comprehensive study of a selected health science area in which students will evaluate current state of knowledge and apply theory and concepts to construct strategies within their own professional area.

492. **Special Problems.** 3 hrs. A student originated problem, research plan, and reporting of results, with guidance of a chosen adviser.

493. **Practicum.** 6 hrs. Prerequisite: CHS 437 or 438. Available to health education and administration majors only. Practical experience in the delivery of health education and administration programs.

494. **Student Teaching in Health Education.** 7 hrs. Supervised field-based internship in middle and secondary health education.

495. **Student Teaching in Health Education.** 7 hrs. Supervised field-based internship in middle and secondary health education.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

COMPUTER ENGINEERING TECHNOLOGY (CET—325)

240. **Introduction to Digital Electronics.** 3 hrs. Prerequisite: EET 111. Corequisites: CET 240L and EET 210. Theory and application of pulse and digital signals and the circuitry for their generation and conditioning. Introduces number systems, digital logic, and data encoding and processing methods and circuits.

240-L. **Digital Electronics Laboratory.** 1 hr. Corequisite: CET 240.

301. **Logic Circuit Design.** 3 hrs. Prerequisite: CET 240. Corequisite: CET 301L. Introduces the basic tools for logic circuit design and analysis. Provides an understanding of common logic constructs, such as: multiplexers, demultiplexers, encoders, decoders, multivibrators, counters, registers, and memories.

301-L. **Logic Circuits Design Laboratory.** 1 hr. Corequisite: CET 301.

302. **Microprocessor Architecture and Applications.** 3 hrs. Prerequisite: CET 240. Corequisite: CET 302L. Introduction to the design and programming of microprocessor based circuits and systems, including the design and programming tools necessary to create stand-alone microprocessor systems. Comparison of different microprocessor architectures and applications.

302-L. **Microprocessor Laboratory.** 1 hr. Corequisite: CET 302.

316. **Digital Communications and Computer Networks.** 2 hrs. Prerequisite: CET 302. Corequisite: CET 316L. Digital communication concepts including modulation, data transmission, transmission media, computer networks.

316-L. **Digital Communications Laboratory.** 1 hr. Corequisite: CET 316.

323. **Advanced Analytical Applications.** 3 hrs. Prerequisite: MAT 137. Laplace transform methods for analog signals and systems; transfer functions; z-transform methods for discrete time signals and systems; frequency-domain methods; Fourier analysis.

324. **Applied Discrete Transforms.** 3 hrs. Prerequisite: CET 323. System transfer functions, system response analysis, digital filter design, state-space system representation.

350. **PLC Controllers.** 3 hrs. Common industrial PLC controllers and fundamental programming algorithms. (Approval pending)

370. **Hardware Systems.** 3 hrs. Corequisite: CET 370L. Design, analysis and implementation of digital logic systems with emphasis on circuit construction and verification. This course does not satisfy major requirements for Computer or Electronics Engineering Technology students.

370-L. **Hardware Systems Laboratory.** 1 hr. Corequisite: CET 370.

371. **Introduction to Microprocessor Controllers.** 2 hrs. Prerequisites: CET 370. Corequisite: CET 371-L. Introduction to the programming of microprocessor based circuits and systems, including the design and programming tools necessary to create stand-alone microprocessor architectures and applications. (Approval pending)

371-L. **Microprocessor Laboratory.** 1 hr. Corequisite: CET 371. (Approval pending)

400. **Senior Project I.** 2 hrs. Prerequisite: Senior standing and approval of faculty adviser. (Students undertaking a Senior Honors Project will enroll in CET H400.)

401. **Senior Project II.** 2 hrs. Prerequisite: CET 400. (Students undertaking a Senior Honors Project will enroll in CET H401.

420. **Embedded Microcomputer Design.** 3 hrs. Prerequisites: CET 301 and CET 302. Corequisite: CET 420L. Review of embedded computer applications followed by a detailed examination of microcomputer circuit design and commercial product development.

420-L. **Embedded Microcomputer Design Laboratory.** 1 hr. Corequisite: CET 420.

437. **Microcomputer Design.** 4 hrs. Microcomputer architecture and operation. Semiconductor RAM. Programmed hardware concepts.

450. **PLC Interfacing.** 3 hrs. Techniques for interfacing PLC controllers with common industrial devices. (Approval pending)

460. **Industrial Computer Networks.** 3 hrs. Corequisite: CET 460L. Topics in remote industrial data collection, control, noise, and remote sensing. (Approval pending)

460-L. **Industrial Computer Networks Laboratory.** 1 hr. Corequisite: CET 460. (Approval pending)

471. **Small Computer Systems.** 3 hrs. Prerequisites: CET 301 and CET 302. Corequisite: CET 471L. Detailed examination of the interfaces to a small computer operating system and the development of software and hardware extensions. Emphasis is on preparing the student to develop commercial, plug-in applications for MS-DOS/WINDOWS systems.

471-L. **Small Computer Systems Laboratory.** 1 hr. Corequisite: CET 471.

472. **Advanced Programmable Devices.** 3 hrs. Prerequisites: CET 301 and CET 302. Corequisite: CET 472L. Synchronous logic design through the use of state machine models and other advanced design tools. Designs implemented and tested in VLSI programmable logic devices.

472-L. **Programmable Devices Laboratory.** 1 hr. Corequisite: CET 472.

475. **Digital Control Systems.** 3 hrs. Prerequisite: CET 370. Corequisite: CET 475L. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques. (Approval pending)

475-L **Digital Control Systems Laboratory**. 1 hr. Corequisite: CET 475. (Approval pending)

477. **Introduction to Control Systems Technology.** 3 hrs. Prerequisites: CET 323 and EET 312. Corequisite: CET 477L. Fundamental control system theory and applications; servomechanisms; process control; measurement and instrumentation.

477-L. **Control Systems Laboratory.** 1 hr. Corequisite: CET 477.

478. **Digital Control Systems.** 2 hrs. Prerequisites: CET 316 and CET 477. Corequisite: CET 478L. Design of systems incorporating a computer as an on-line element. Design of control algorithms and optimal control techniques.

478-L. **Digital Control Systems Laboratory.** 1 hr. Corequisite: CET 478.

492. **Special Problems.** 1-4 hrs.

496. **Industrial Internship.** 6 hrs. A minimum of 400 total hours of internship under the direct supervision of industrial professionals in collaboration with USM faculty. (Approval pending)

COMPUTER SCIENCE (CSC—333)*

100. **Introduction to Computing.** 3 hrs. Personal computer concepts, uses of computers in society, introduction to software packages for word processing, data management, and spread sheets. (CC 1113)

101. **Computer Science I.** 3 hrs. Corequisite: CSC 101-L. Problem- solving, algorithm development, computer programming, overview of computer science.

101-L. **Computer Science I Laboratory.** 1 hr. Corequisite: CSC 101.

102. **Computer Science II.** 3 hrs. Prerequisite: CSC 101, 101L. Corequisite: CSC 102L. Continuation of CSC 101 with emphasis on programming style and algorithm analysis.

102-L. **Computer Science II Laboratory.** 1 hr. Corequisite: CSC 102.

203. **Introduction to Computer Systems.** 3 hrs. Prerequisite: CSC 102, 102L. Corequisite: CSC 203L. Computer systems and architecture, assembler language programming.

203-L. **Computer Systems Laboratory.** 1 hr. Corequisite: CSC 203.

204. **Introduction to Computer Organization.** 3 hrs. Prerequisites: CSC 102, 102L. Corequisite: CSC 204L. Fundamentals of logic design, organization and structuring of computer hardware components, mechanics of information transfer and control within a digital computer system.

204-L. **Computer Organization Laboratory.** 1 hr. Prerequisite: 203L. Corequisite: CSC 204.

205. **Introduction to File Processing.** 3 hrs. Prerequisites: CSC 102, 102L. Concepts of structuring data on bulk storage devices, applications of data structures and file processing techniques.

301. **Foundations of Computer Science.** 3 hrs. Prerequisite: MAT 167. Introduction to finite and discrete structures, combinatorics and graphs, and algorithmic processes with applications in computers, languages, and programs.

306. **Operating Systems and Computer Architecture.** 3 hrs. Prerequisites: CSC 203 and 204. Corequisite: CSC 306L. Operating systems principles, relationships between operating system and computer architecture.

306-L. **Operating Systems Laboratory.** 1 hr. Prerequisite: CSC 204L. Corequisite: CSC 306.

307. **Data Structures and Algorithm Analysis.** 3 hrs. Prerequisites: CSC 102, CSC 102L. Algorithms. Data abstraction and structure. List operations. Queues. Stacks. Recursion. Binary trees. General trees.

308. **Organization of Programming Languages.** 3 hrs. Prerequisite: CSC 307. Runtime behavior of programs, formal specification and comparative analysis of programming languages, programming paradigms.

309. **Computers and Society.** 3 hrs. Ethical issues for technical professionals, social impact of professional and entrepreneurial activity, the social impact of computer technology.

320. **Introduction to Linear Programming Techniques.** 3 hrs. Prerequisite: MAT 103. Formulation of models, graphical solutions, simplex method, two-phase technique, duality, convexity, simultaneous linear equations, vector spaces.

410. **Multi-processing.** 3 hrs. Prerequisites: CSC 306, 306L, 308, MAT 320 or CSS 415. Corequisite: CSC 410L. Continuation of CSC 306. Emphasis on intra-system communication.

410-L. **Multi-processing Laboratory.** 1 hr. Corequisite: CSC 410

411. **Database Management Systems Design.** 3 hrs. Prerequisite: CSC 307. Design and implementation of DBMS. Survey of research literature.

412. **Introduction to Artificial Intelligence.** 3 hrs. Prerequisite: CSC 307. Concepts and techniques of intelligent systems. Survey of research literature.

413. **Algorithms.** 3 hrs. Prerequisites: CSC 307 and MAT 169 or MAT 179. Design and analysis of algorithms. Complexity theory.

414. **Software Design and Development.** 3 hrs. Prerequisite: CSC 307. Corequisite: CSC 414L. Formal development of software through team projects.

414-L. **Software Design and Development Laboratory.** 1 hr. A laboratory designed to support CSC 414.

415. **Theory of Programming Languages.** 3 hrs. Prerequisite: CSC 308. Formal treatment of programming language translation and compiler design concepts.

421. **Relational Data Base Management Systems.** 3 hrs. Prerequisite: CSC 411. Theory of relational systems, comparison of relational and conventional systems, use of state-of-the-art relational systems such as ORACLE.

422. **Operations Research.** 3 hrs. Prerequisite: CSS 320. Transportation problem, assignment problem, PERT/CPM, networks, integer programming.

424. **Software Engineering II.** 3 hrs. Prerequisite: CSC 414. Programming languages and software design, modular/object oriented design, team programming, human factors, case studies.

425. **Computer Graphics Design.** 3 hrs. Corequisite: CSS 343. Prerequisite: one semester of calculus. Theory, design and use of computer graphic systems.

426. **Computer Aided Design.** 3 hrs. Prerequisite: CSC 425. Design of man-machine interaction.

435. **Simulation and Modeling.** 3 hrs. Prerequisites: CSS 211 or 415 and 240 or 330. Constructing models of discrete stochastic systems, systems dynamics. Use of a simulation package.

444. **Robotic Systems: Theory, Development and Analysis.** 3 hrs. Prerequisite: MAT 326. Robotic system development, direct kinematics, the arm equation, workspace analysis, trajectory planning and robotic programming methodologies.

485. **Information Retrieval in the U.K.-Theory.** 3 hrs. Prerequisites: CSS 342 and permission of instructor. A study of British information processing systems.

486. **Information Processing in the U.K.-Applications.** 3 hrs. Prerequisites: CSC 485 and permission of instructor. Design of information processing systems.

492. **Computer Science Problems I.** 1-3 hrs. Prerequisite: Senior standing. Solution of problems germane to a select area of study.

493. **Computer Science Problems II.** 3 hrs. Solution of problems germane to a select area of study.

* A grade of C or better is required for all prerequisite courses listed in this section.

COMPUTER SCIENCE AND STATISTICS (CSS—330)*

145. **Musical Instrument Digital Interface Concepts and Programming.** 3 hrs. Prerequisite: ability to read music and perform on a musical instrument. An introduction to computer fundamentals with applications to music using Musical Instrument Digital Interface.

211. **Statistical Methods I.** 3 hrs. Prerequisite: MAT 101. Sampling and sampling distributions: normal and binomial, measures of central tendency and dispersion, hypothesis testing. (CC-BAD 2323)

212. **Statistical Methods II.** 3 hrs. Prerequisite: CSS 211. Hypothesis testing, correlation, regression analysis, analysis of variance and covariance.

240. **FORTRAN Programming.** 3 hrs. Techniques of programming using the FORTRAN 77 language. (CC 2323)

242. **Fundamentals of Cobol.** 3 hrs. Logic design and fundamental Cobol concepts for business majors. Cannot count toward a degree in Computer Science.

330. **Introduction to Programming.** 3 hrs. Structured programming, step- wise refinement, introduction to Pascal. Students may not apply both CSS 330 and CSC 101 toward a degree.

333. **Problem Solving Using C, I.** 3 hrs. Prerequisite: computer literacy. Introduction to UNIX, Internet, electronic mail. Introductory C programming, algorithm development, top-down, object-oriented development. Applications in technology.

334. **Problem Solving Using C, II.** 3 hrs. Prerequisite: CSS 333. Continuation of top-down design, integrated editor and debugger, elementary data structures, file processing, topics in graphics.

340. **Advanced Computing Programming.** 3 hrs. Prerequisite: CSS 330 or equivalent. Structured Programming and an in-depth study of Pascal. Students may not apply both CSS 340 and CSC 102 toward a degree.

342. **Introduction to COBOL Programming.** 3 hrs. Prerequisite: CSS 340. Programming of problems using the COBOL language.

343. **C Programming.** 3 hrs. Prerequisite: CSS 350. Techniques of programming using the C language.

350. **Data Structures.** 3 hrs. Prerequisite: CSS 340. Data structures and algorithms for their manipulation. Lists and arrays; stacks, queues, deques, tree structures; elementary sorting and searching routines. Students may not apply both CSS 350 and CSC 102 toward a degree.

400. **Introduction to Computer Education.** 3 hrs. Designed as a first course for educators who plan to teach about and/or use computers. Problem solving, programming, current topics and administrative uses. Cannot count toward a degree in Computer Science.

402. **Structured Basic Programming.** 3 hrs. Prerequisite: CSS 400. Technical presentation of BASIC with scientific problem solving, algorithms and an introduction to data structures. Cannot count toward a degree in Computer Science.

403. **Authoring Systems for Computer Based Learning.** 3 hrs. Prerequisite: CSS 400. Developing computer based instructional modules utilizing the authoring system approach. Cannot count toward a degree in Computer Science.

404. **Internet Concepts.** 3 hrs. Prerequisite: basic computer literacy. Introduction to the Information Super Highway via the INTERNET. Does not satisfy core requirements in the College of Science and Technology.

415. **Methods of Mathematical Statistics I.** 3 hrs. Prerequisite: MAT 168. Introduction to probability, random variables, mathematical expectation, sampling distributions, confidence intervals and hypothesis testing on single populations.

416. **Methods of Mathematical Statistics II.** 3 hrs. Prerequisite: CSS 415. Confidence intervals and hypothesis testing on two or more populations, analysis of variance models, regression analysis.

417. **Experimental Design.** 3 hrs. Prerequisite: CSS 416. Factorials, randomized blocks, Latin squares and split-plot, fractional factorials and confounding, response surface models.

418. **Sampling Methods.** 3 hrs. Prerequisite: CSS 415. The planning, execution, and evaluation of sample surveys. Simple random sampling, stratified random sampling, cluster sampling.

442. **Information Systems.** 3 hrs. Prerequisite: CSS 342. Methods of system analysis, data acquisition, file structures, terminal selection, use of flowcharts and decision tables.

460. **Computer Software I.** 3 hrs. Prerequisites: CSS 341, 350. Assemblers and loaders.

490. **Computer Science Seminar.** 1 hr. Arr. Presentation of technical topics in the field.

498. **Student Teaching in Computer Science I.** 7 hrs. Corequisite: CSS 499. Introduction, training, and evaluation of teaching based on the Mississippi Teaching Evaluation Instrument (MTAI).

499. **Student Teaching in Computer Science II.** 7 hrs. Corequisite: CSS 498. Continuation of CSS 498.

* A grade of C or better is required for all prerequisite courses listed in this section.

CONSTRUCTION ENGINEERING TECHNOLOGY (BCT—393)

101. **Construction Practices I.** 2 hrs. Basic construction techniques, tools and equipment, and job planning analysis used in residential projects.

205. **Surveying.** 2 hrs. Prerequisite: MAT 103. Corequisite: BCT 205L. Theory and practice in use of instruments for measuring distances, angles, etc., as applied in architectural and construction projects.

205-L. **Surveying Laboratory.** 1 hr. Corequisite: BCT 205.

235. **Building Systems I.** 2 hrs. Prerequisites: ACT 132 and ACT 204. Corequisite: BCT 235L. Residential building systems with emphasis on materials integration, methods of construction and constructional detailing.

235-L. **Building Systems I Laboratory.** 1 hr. Corequisite BCT 235.

307. **Construction Equipment.** 2 hrs. Prerequisite: GLY 101. Construction equipment selection and utilization for commercial and heavy- highway construction.

336. **Building Systems II.** 2 hrs. Prerequisite: BCT 235. Corequisite BCT 336L. Commercial building systems with emphasis on materials integration, methods of construction and building codes.

336-L. **Building Systems II Laboratory.** 1 hr. Corequisite: BCT 336.

374. **Construction Organization.** 3 hrs. Prerequisite: BA 200. Analysis of contracting functions and management concepts.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser.

400. **Senior Project.** 3 hrs. Prerequisites: senior standing and approval of faculty advisor.

444. **Concrete and Formwork Design.** 3 hrs. Prerequisite: ENT 340. Design of reinforced concrete structural members and systems. Concrete formwork design and cost analysis.

445. **Soils and Foundations.** 3 hrs. Prerequisite: ENT 340. Corequisite: BCT 445L. Theory and application of soil mechanics to foundation design and construction.

445-L. **Construction Engineering Technology Laboratory.** 0 hr. Corequisite: BCT 445.

454. **Estimating I.** 3 hrs. Prerequisites: ENT 120 and either ACT 336 or BCT 336. Corequisite: BCT 454L. Material quantity survey techniques used in estimating costs of construction projects.

454-L. **Estimating I Laboratory.** 1 hr. Corequisite: BCT 454.

455. **Estimating II.** 3 hrs. Prerequisite: BCT 454. Corequisite: BCT 455L. Determination of construction cost, bidding procedures, and analysis of job cost data.

455-L. **Estimating II Laboratory.** 1 hr. Corequisite: BCT 455.

458. **Construction Planning and Scheduling.** 3 hrs. Prerequisite: BCT 336 and ENT 120. Corequisite: BCT 458L. Critical Path Method (CPM) as a project planning, scheduling, and monitoring technique.

458-L. **BCT Laboratory.** 1 hr. Corequisite: BCT 458.

476. **Construction Labor.** 3 hrs. Prerequisite: Senior standing. A study of construction labor resources, labor history, and governmental labor regulations.

477. **Construction Project Management.** 3 hrs. Prerequisite: Senior standing. Duties and responsibilities of a construction manager. Services provided by CM firms.

478. **Applications of Construction Law.** 3 hrs. Prerequisite: Senior standing. Analysis of construction law. Legal problems, the bidding process, contract performance, the contract.

480. **Construction Safety.** 3 hrs. Development and management of accident prevention programs in construction. OSHA regulations.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser.

496. **Industrial Internship.** 6 hrs. A minimum of 400 total hours of internship under the direct supervision of industrial professionals in collaboration with USM faculty. (Approval pending)

CRIMINAL JUSTICE (CJ—281)

200. **Introduction to Criminal Justice.** 3 hrs. An introduction to criminal law, criminological thought, and the operation of the criminal justice system. (CC-CRJ-1313)

325. **Criminal Justice Theory.** 3 hrs. A survey of major American and European theories of criminal justice.

330. **Criminal Law.** 3 hrs. A survey of applied substantive criminal law with emphasis on the most common criminal offenses.

331. **Criminal Court Practice.** 3 hrs. An indepth study of the criminal case within the several courts of the state and federal systems.

332. **Traffic Law.** 3 hrs. An analysis of prevailing traffic law and methods of enforcement.

341. **Police Methods and Organization.** 3 hrs. A survey of the organization and administration of the American police.

342. **Criminal Investigation.** 3 hrs. Prerequisite: CJ 330. An overview of the crime solving process with emphasis on methodology, corpus delecti, and evidence.

352. **Introduction to Modern Corrections.** 3 hrs. An overview of major correctional systems and methods of treatment of offenders.

353. **Law of Criminal Corrections.** 3 hrs. A survey of the newly emerging rights of detained and incarcerated individuals.

360. **Introduction to Juvenile Justice.** 3 hrs. A survey of the common law roots of juvenile law, the unfolding of case law in American history, and the development of the juvenile court and juvenile corrections.

370. **Crime Prevention.** 3 hrs. A survey of methods of protecting life and property in the community and in industry.

371. **Industrial Security.** 3 hrs. A study of industrial and governmental needs for protective services as applied to property and personnel with emphasis on principles.

400. **Criminal Justice Practicum.** 3, 6, or 9 hrs. Prerequisites: Major in Criminal Justice with junior or senior standing and with permission of the chair. Field work offering research and practice in a criminal justice agency.

420. **Methods of Criminal Justice Research and Planning.** 3 hrs. An indepth study of criminal justice planning, evaluation, and research.

426. **Comparative Criminal Justice Systems.** 3 hrs. A study of foreign criminal justice systems emphasizing possible reforms for the American system.

430. **Criminal Procedure.** 3 hrs. A study of the procedural rules for the judicial enforcement of substantive criminal law.

433. **Evidence, Search, and Seizure.** 3 hrs. Prerequisite: CJ 330. An examination of the laws of evidence and the procedures for obtaining it with special emphasis on application in criminal court.

440. **Police in the United States.** 3 hrs. An analysis of the organization and role of modern police agencies with emphasis on social, political, and economic impacts.

450. **Administration of Criminal Corrections.** 3 hrs. Prerequisite: CJ 352. An in-depth study of the administrative process in the correctional system.

451. **Probation, Parole, and Community Corrections.** 3 hrs. An examination of probation and parole systems and other alternatives to incarceration.

460. **Juvenile Justice.** 3 hrs. A study of the law concerning investigation of juvenile offenders, disposition of offenders, and juvenile courts.

461. **Juvenile Corrections.** 3 hrs. An indepth study of the various treatment modalities currently employed.

463. **Family Law.** 3 hrs. A study of common law and statutory concepts of family relationships emphasizing legal remedies to crime in the family.

464. **Family Violence, Investigation and Deterrence.** 3 hrs. Prerequisite: CJ 463 or consent of instructor. A study of child and spouse abuse within the family emphasizing detection, investigation and deterrence.

470. **Political Economy of Criminal Justice.** 3 hrs. An analysis of political and economic factors influencing the criminal justice system.

471. **Victims of Crime.** 3 hrs. An indepth study of criminal victimization concentrating on the victims of specific crimes and remedies for victimization.

472. **Organized Crime.** 3 hrs. A course to familiarize students with the evolution, typology, and etiology of organized crime in the United States.

480. **Seminar in Criminal Justice.** 3 hrs. An interdisciplinary seminar covering significant problem areas in the criminal justice system. Repeatable as topics vary.

489. **Caribbean Studies.** 3 hrs. Variable content, lectures, field exercises, and research offered abroad under the auspices of the Center for International Education.

492. **Special Problems.** 1-3 hrs. Prerequisites: Major in criminal justice with senior standing and permission by the chair. Supervised research in a specific field. (Students undertaking a Seniors Honor Project will enroll in CJ H492.)

497. **British Studies.** 3-9 hrs.

498. **British Studies: Comparative Criminal Jurisprudence.** 1-6 hrs. A comparative study abroad of criminal law, courts, and procedures.

499. **British Studies: Comparative Drug Law.** 3-6 hrs. A comparative study of the instructional responses to drug abuse and drug related criminal offenses.

CURRICULUM AND INSTRUCTION ELEMENTARY EDUCATION (CIE—115)

099. **Developmental Reading.** 3 hrs. Required of all entering freshmen with a sub-standard ACT English or Reading. Does not satisfy any University core or degree requirements.

100. **Developmental Processes in Elementary Mathematics.** 1-5 hrs. A review of the fundamentals of elementary arithmetic, algebra, and geometry for preservice elementary teachers. This course cannot be used for degree requirements.

102. **Improvement of Study.** 1 hr. An analysis of effective study techniques. Useful for college students who wish to improve their own reading and study habits. May be taken three times for credit.

Enrollment in the following courses is restricted to students admitted to the Elementary Teacher Education Program or by special permission of the Department Chair.

301. **Mathematics: Primary & Middle Grades.** 3 hrs. Prerequisites: MAT 210. Corequisite: CIE 451. A course which utilizes modern strategies of psychology and methodology in elementary school mathematics on exploratory, structural, and mastery levels of learning.

305. **Social Studies: Primary & Middle Grades.** 3 hrs. Corequisite: 451. Emphasis is on the social science interdisciplinary approach for content and methodology, problem solving, unit teaching, and thinking.

306. **Language and Cognitive Development in the Elementary School.** 3 hrs. Corequisite: CIE 450. Emphasizes the methods and materials for teaching handwriting, creative writing, listening, speaking, and grammar in grades 1 through 8.

317. **Children's Literature.** 3 hrs. An introduction to children's primary literature in all forms, and a study of ways in which it is integrated into the curriculum for enrichment.

318. **Literature for the Middle School.** 3 hrs. A study of literature appropriate for use in grades 4 through 8 stressing effective use of literature in the school program.

343. **Curriculum: Primary & Middle Grades.** 3 hrs. Corequisite: CIE 450. A general methods course which examines materials and methods of teaching pupils in grades K through 8.

403. **Kindergarten—Primary Education.** 3 hrs. A practicum designed to give teaching experiences in understanding the social, emotional, physical and cognitive growth and development of children.

411. **Reading Instruction: Skills and Development.** 3 hrs. Corequisite: CIE 306, CIE 450. Builds a theoretical basis for reading skills development.

425. **Early Childhood Education.** 3 hrs. A general methods course which examines materials and methods of teaching children in kindergarten through grade 3.

427. **Evaluation in Early Childhood Education.** 3 hrs. Emphasis is placed on evaluative techniques and principles relative to the physical, intellectual, emotional, and social development of young children.

450. **Clinic: Intermediate Semester.** 2 hrs. Corequisites: CIE 306, CIE 343, CIE 411. Practica and clinic activities.

451. **Clinic: Senior Semester.** 2 hrs. Corequisites: CIE 301, CIE 305. Practica and clinic activities.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. (var) Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

+ 480. **Student Teaching I: Lower Grades.** 7 hrs. Prerequisites; All courses required for major.

+ 481. **Student Teaching II: Lower Grades.** 7 hrs. Prerequisites: All courses required for major.

+ 482. **Student Teaching I. Upper Grades.** 7 hrs. Prerequisites: All courses required for major.

+ 483. **Student Teaching II: Intermediate Grades.** 7 hrs. Prerequisites: All courses required for major.

489. **Seminar in Elementary Student Teaching.** 6 hrs. Prerequisite: Permission of the Director of Student Teaching. Designed to meet the student teaching requirement for noncertified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

491. **The Reading Conference.** 3 hrs. An intensive program consisting of lectures, group discussion, and demonstration lessons.

492. **Special Problems.** 1-9 hrs. Prerequisite: Permission of the department chair. Provides the opportunity to pursue a special topic or area of interest. (Students undertaking a Seniors Honor Project will enroll in CIE H492.)

493. **Internship in the Elementary School.** 1-9 hrs. Prerequisite: Permission of the department chair. Reserved for those students who are enrolled in the internship program.

494. **Learning Resources in Early Childhood Education.** 3 hrs. Students will become acquainted with learning sources, selection, use, and production multimedia materials.

495. **British Studies in Early Childhood Education.** 3-6 hrs. Compares and contrasts the philosophies and current trends of American and British early childhood education.

496. **Projects in Elementary Education I, II, III.** 3 hrs. Designed for school systems planning local projects of curriculum revision and course of study construction.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIS 497.)

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies in Education.** 3-6 hrs.

CURRICULUM AND INSTRUCTION READING (CIR)

309. **Developing Skills in Reading.** 3 hrs. Develops competencies required in instructional and recreational reading and materials used to teach these skills in grades 1 through 8.

310. **Junior-Senior High School Reading Methods.** 3 hrs. A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

407. **Strategies for Teaching Reading in the Elementary School.** 3 hrs. Prerequisites: CIE 306, and 309. A survey of the methods and approaches used to teach reading in the elementary school.

412. **Reading Instruction: Diagnosis, Assessment and Enrichment.** 4 hrs. Prerequisite: CIE 407. Provides relevant practicum experiences in evaluation and gives extended opportunities in child tutoring appropriate to grades 2-8.

SECONDARY EDUCATION (CIS—120)

301. **Practicum in Secondary Education.** 1 hr. A course designed to relate the study of theory to practical experience in a public school setting. May be repeated twice.

310. **Junior-Senior High School Reading Methods.** 3 hrs. A course designed to familiarize secondary teachers with reading skills, methods, and materials. Emphasis is placed on content skills in subject matter areas.

313. **Principles of Teaching High School.** 3 hrs. This general methods course emphasizes the goals of secondary education, motivation and direction of learning, and school organization.

401. **Dealing with Social Problems in the Classroom.** 3 hrs. Managing class activities and instruction to deal with social problems which affect children and adolescents. (Telecourse)

458. **Methods in Social Studies—Secondary.** 3 hrs. A study of the principal methods of teaching, application of psychological principles to teaching, and methods of selecting content and materials.

470. **Curriculum of the Secondary Schools.** 2 hrs. A course which examines the present day structure and nature of the secondary school curriculum.

476. **Professional Development Seminar.** 1 hr. Prerequisite: Concurrent enrollment in student teaching. A study of individual and group practices, interpersonal relations skills, and professional activities which foster professionalism. (Also offered as CIE 476 for elementary education majors)

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

495. **Seminar in Secondary Student Teaching.** 6 hrs. Prerequisite: Permission of Director of Student Teaching. Designed to meet the student teaching requirements for non- certified experienced teachers. This course deals with classroom management, programs of instruction, and student role in the educational environment.

496. **Internship in Secondary Education.** 9 hrs. Prerequisite: Permission of the Director of Interns. Reserved for those students who are enrolled in the internship program.

497. **Teacher Certification Reinstatement.** 3 hrs. Prerequisite: Permission of instructor. Educational reform and research correlates of effective teaching, schools, and administration. (Also offered as CIE 497.)

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **Studies in British Education.** 3-6 hrs.

DANCE (DAN—687)

105. **Beginning Tap.** 2 hrs. Developing an understanding and practice of movement skills basic to tap dance of America. May be repeated twice for a total of six hours. For non-majors.

106. **Beginning Jazz.** 2 hrs. The study and application of the basic skills of jazz dance. May be repeated twice for a total of six hours. For non-majors.

107. **Dance Appreciation.** 3 hrs. The discussion of dance as a world-wide phenomenon in human behavior, its function in human society, with emphasis on the role of dance in present-day America.

150. **Beginning Modern Dance.** 2 hrs. Discussion and practice of movement patterns, improvisation, and studies in modern dance for the non-major. May be repeated twice for a total of six hours.

158. **Modern Dance Techniques and Composition I.** 2-3 hrs. Discussion and practice of movement skills and studies in modern dance for the major. May be repeated for a total of six hours. Open to non-majors with consent of instructor.

250. **Beginning Ballet.** 2 hrs. Discussion and practice of movements in ballet for the non-major. May be repeated twice for a total of six hours.

252. **Ballet Technique I.** 2-3 hrs. Discussion and practice of ballet skills for the dance major. May be repeated for a total of six hours. Open to non-majors with consent of instructor.

253. **Dance Improvisation.** 2 hrs. Spontaneous and simultaneous exploring, creating, and performing movement of the moment. Open to non- majors with consent of instructor.

254. **Music Analysis and Accompaniment for Dance.** 2 hrs. A basic analysis of music in terms of its function and structure as it applies to movement, and the study and practical application of dance accompaniment. Open to non-majors with consent of instructor.

258. **Modern Dance Technique and Survey II.** 2-3 hrs. May be repeated for a total of six hours. A survey of modern dance techniques from past to present forms. A continuation of DAN 158. Open to non-majors with consent of instructor.

259. **Intermediate Dance Composition.** 3 hrs. Exploration of the elements of dance applied to dance choreography. Open to non- majors with consent of instructor.

300-L. **Choreographic Workshop.** 1-6 hrs. Participation in creative dance and performance activities. By audition.

350. **Tap Dance.** 2 hrs. Study of the various styles of tap including rhythm, jazz, and ballet forms. May be repeated twice for a total of six hours. Open to non-majors with consent of instructor.

352. **Ballet Technique II.** 2-3 hrs. Continuation and further enrichment of the technique of ballet at the intermediate level for the dance major. May be repeated for a total of nine hours. Open to non-majors with consent of instructor.

354. **Dance Production.** 1 hr. Developing an awareness and application of production skill. May be repeated up to five times. Open to non-majors with consent of instructor.

358. **Dance Technique and Theory III.** 3 hrs. May be repeated for a total of nine hours. The study and development of modern dance techniques and applied theories. A continuation of DAN 258. Open to non-majors with consent of instructor.

359. **Advanced Dance Composition.** 3 hrs. Methods and approaches used in making dances.

362. **Labanotation I.** 2 hrs. Introduction to elementary Labanotation, a system of recording movement. Open to non-majors with consent of instructor.

363. **Labanotation II.** 2 hrs. Continuation of DAN 362.

370. **Choreographic Research.** 2 hrs. Choreographic approaches for development toward the Senior Choreographic Research Project.

370-L. **Performance Production Laboratory for Choreographic Research.** 1- 6 hrs. May be repeated up to 12 hrs. Participation in performance and production of a choreographic presentation. May be repeated for a total of 12 hours. By audition.

400-L. **Dance Theatre Laboratory.** 1-2 hrs. Studio sessions in special aspects of dance theatre (partnering, point work, classical repertory). By audition.

452. **Ballet Technique III.** 2-3 hrs. Continuation and further enrichment of the technique of ballet for the dance major. May be repeated for a total of twelve hours. A continuation of DAN 352. Open to non-majors with consent of instructor.

453. **Advanced Jazz Dance.** 2-3 hrs. The study and application of the principles of jazz movement. May be repeated twice for a total of six hours. Open to non-majors with consent of instructor.

455. **Dance Repertory.** 1 hr. May be repeated for a total of 8 hours. The study and practice of selected choreographic works for performance. By audition.

458. **Dance Technique and Analysis IV.** 2-3 hrs. May be repeated for a total of twelve hours. Advanced Modern Dance technique and applied analysis of movement. A continuation of DAN 358. Open to non-majors with consent of instructor.

462. **Dance History I.** 3 hrs. History of dance from primitive through medieval periods. Open to non-majors with consent of instructor.

463. **Dance History II.** 3 hrs. History of dance from the Renaissance to the present. Open to non-majors with consent of instructor.

464. **Methods of Teaching Dance.** 3 hrs. A study of the philosophy, principles, and objectives of teaching dance. Includes observation and supervised teaching experiences.

465. **Music Resources for Dance.** 2 hrs. Studying and gathering of music resources for dance. Open to non-majors with consent of instructor.

466. **Methods of Dance Lecture and Demonstration.** 3 hrs. Methods of preparing dance lecture-demonstrations and tours.

468. **Musical Theatre Dance.** 2 hrs.

470. **Choreographic Research Project.** 3 hrs. A choreographic and written project of an original dance work.

470-L. **Performance Production Laboratory for Choreographic and Project Research.** 1-6 hrs. Participation in the Performance and Production research Project of a Senior Choreographic Research Project. May be repeated for a total of 12 hours. By audition.

471. **Performance Internship.** 1-9 hrs.

487-L. **Practicum in Movement.** 1-3 hrs. May be taken for a total of 9 hours. Practices and projects in Dance Theory, Performance, and/or Choreography for the undergraduate student. Open to non-majors with consent of instructor.

492. **Special Problems.** 1-3 hrs. May be taken for a total of 9 hours. (Students undertaking a Senior Honors Project will enroll in DAN H492.) Open to non-majors with consent of instructor.

499. **British Studies.** 3-6 hrs. Studies in dance and movement sciences abroad (5 weeks).

ECONOMICS (ECO—610)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

201. **Principles of Economics I.** 3 hrs. A study of a nation's economy. Topics include inflation, unemployment, gross domestic product, business cycles, and international influences. (CC 2113)

202. **Principles of Economics II.** 3 hrs. A study of market systems. Topics include supply and demand, the behavior of firms and households in different market structures, government intervention in markets, barriers to trade, and foreign exchange markets. (CC 2123)

305. **Economic Issues.** 3 hrs. A survey of history of economic thought, economic history of the United States, and the fields of economics.

330. **Money and Public Policy.** 3 hrs. Prerequisites: ECO 201 and 202. A study of the nature and functions of money, financial institutions, monetary theory, and the political, social, and international context in which economic policy is formulated.

335. **Economics of the Firm.** 3 hrs. Prerequisites: ECO 201 and 202, MAT 102. An intermediate study of the application of economic theory to managerial decision-making.

336. **Survey of International Economics.** 3 hrs. Prerequisites: ECO 201 and 202. An introductory study of why nations trade, tariff and non-tariff barriers to trade, commercial policy, balance of payments accounting, exchange rate determination, balance of payments adjustment, and the international currency system.

340. **Intermediate Microeconomic Theory.** 3 hrs. Prerequisites: ECO 201 and 202. An intermediate study of the determination of prices in factor and final product markets.

345. **Intermediate Macroeconomic Theory.** 3 hrs. Prerequisites: ECO 201 and 202. An intermediate study of the determination of aggregate income and employment.

401. **Public Finance.** 3 hrs. Prerequisites: ECO 201 and 202. A study of federal and state spending and fund-raising policies within the context of the social goals of the society.

436. **International Economics.** 3 hrs. Prerequisites: ECO 336. An intermediate study of international trade theory and international monetary theory. The pure theory of trade and comparative advantage, economic integration, international resource movements, foreign exchange markets, balance of payments adjustment mechanisms, and international monetary systems.

440. **Economic Development.** 3 hrs. Prerequisites: ECO 201 and 202. Emphasis on the economic tools for economic development with particular attention to regional growth and change. Case studies include a number of countries and successful examples of regional, corporate, and local development.

450. **Introduction to Econometric Methods.** 3 hrs. Prerequisites: BA 302 or 303. Specification, estimation, and interpretation of econometric models.

470. **Comparative Economic Systems.** 3 hrs. Prerequisites: ECO 201 and 202. A course designed to acquaint the student with the origins, development, and characteristics of fascism, socialism, and capitalism.

492. **Special Problems in Economics.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in Economics. (Students undertaking a Senior Honors Project will enroll in ECO H492.)

493. **Contemporary Economic Problems.** 3 hrs. Prerequisites: ECO 336, 340, 345, and 450. A capstone course for economics majors. Application of the tools of economics to current macroeconomic and microeconomic issues.

498. **International Economics Seminar Abroad.** 3 hrs. Prerequisite: Prerequisite: Consent of Program Director. Conducted in various locations abroad: a series of lectures and discussions involving authorities on international economic issues and practices.

499. **International Economics Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international economics offered for students enrolled in ECO 498.

ELECTRONICS ENGINEERING TECHNOLOGY (EET—398)

110. **Introduction to Electric Circuits.** 3 hrs. Corequisites: EET 110L and MAT 101. Basic electrical concepts and relationships. Use of DC circuit analysis theorems and techniques.

110-L. **Electrics Circuits Laboratory.** 1 hr. Corequisite: EET 110.

111. **Analysis of Alternating Current (AC) Circuits.** 3 hrs. Prerequisite: EET 110. Corequisites: MAT 103 and EET 111L. Impedance and phasor concepts. Use of AC circuit analysis theorems and techniques.

111-L. **AC Analysis Laboratory.** 1 hr. Corequisite: EET 111.

120. **Electronic Graphics.** 1 hr. Corequisite: EET 120L. Computer-aided drafting principles for orthographic projections; schematics, wiring diagrams, and symbols.

120-L. **Electronics Graphics Laboratory.** 1 hr. Corequisite: EET 120.

200. **Electronics Assembly and Fabrication Practices.** 1 hr. Prerequisite: EET 120. Corequisite: EET 200L. Laboratory and shop practice; safety; soldering and assembly; computer-aided printed circuit board (PCB) design; PCB fabrication.

200-L. **Assembly and Fabrication Laboratory.** 1 hr. Corequisite: EET 200L.

210. **Electronic Devices and Circuits I.** 3 hrs. Prerequisite: EET 111. Corequisite: EET 210L. Theory and application of solid state devices; diodes, junction and field-effect transistors, IC fabrication; small signal BJT amplifiers.

210-L. **Devices and Circuits I Laboratory.** 1 hr. Corequisite: EET 210.

211. **Electronic Devices and Circuits II.** 3 hrs. Prerequisite: EET 210. Corequisite: EET 211L. FET amplifiers, small signal models, frequency response, multistage amplifiers.

211-L. **Devices and Circuits II Laboratory.** 1 hr. Corequisite: EET 211.

230. **Electronic Instrumentation.** 1 hr. Prerequisite: EET 110. Corequisite: EET 111. Theory of operation and industrial use of common electronic instruments.

230-L. **Electronic Instrumentation Laboratory.** 1 hr. Corequisite: EET 230.

301. **Intermediate Network Analysis and Design.** 3 hrs. Prerequisites: EET 111 or equivalent and junior standing. Corequisite: MAT 136. Develop additional skills in the time/frequency domain; network analysis.

312. **Linear Integrated Circuits.** 3 hrs. Prerequisite: EET 211. Corequisite: EET 312L. OPAMPS, power amplifiers, voltage regulators, special devices.

312-L. **Linear Integrated Circuits Laboratory.** 1 hr. Corequisite: EET 312. Laboratory applications of linear devices and circuits.

315. **Design of High-Frequency and Communications Circuits.** 3 hrs. Prerequisites: EET 211, MAT 136, and PHY 111. Corequisite: EET 315L. R-f amplifiers and oscillators; signal spectra; noise; modulation; demodulation; phase-locked loops.

315-L. **Hi-Frequency Communications Laboratory.** 1 hr. Corequisite: EET 315.

342. **Electrical Energy Systems.** 2 hrs. Prerequisites: EET 111 and PHY 112. Corequisite: EET 342L. AC and DC motors and generators.

342-L. **Electrical Machinery Laboratory.** Corequisite: EET 342. 1 hr.

392. **Special Problems.** 1-3 hrs.

400. **Senior Project.** 2 hrs. Prerequisite: Senior standing and approval of faculty adviser. Project should be in area of student's specialization. (Students undertaking a Seniors Honor Project will enroll in EET H400.)

401. **Senior Project.** 2 hrs. Prerequisite: EET 400. (Students undertaking a Seniors Honors Project will enroll in EET H401.)

412. **Advanced Network Analysis.** 2 hrs. Prerequisites: EET 111 and CET 323. Corequisite: EET 412L. Transfer functions; network analysis by Laplace transform methods.

412-L. **Advanced Network Analysis Laboratory.** 1 hr. Corequisite: EET 412.

461. **Electric Power Generation and Distribution.** 3 hrs. Prerequisite: EET 111. Power generation and distribution, load flow, faults, grids, and layout.

492. **Special Problems.** 1-3 hrs. Prerequisite: Senior standing and approval of faculty adviser. Supervised study in areas not covered by available courses.

ENGINEERING TECHNOLOGY (ENT—302)

100. **Engineering Graphics.** 3 hrs. The basics of engineering drawing: tools and equipment, geometric construction, sketching, projections, dimensioning, and tolerances. Introduction to computer-aided drafting and design (CADD).

110. **Descriptive Geometry.** 3 hrs. Graphical and numerical techniques for orthographic projections.

120. **Computational Methods in Engineering Technology.** 3 hrs. Applications of software used in technology disciplines, mathematics, and physics.

240. **Statics.** 3 hrs. Prerequisite: MAT 103. Force systems, static equilibrium of rigid bodies, friction and centroids.

260. **Vector Statics.** 3 hrs. Corequisite: MAT 280. Forces in 2 and 3 dimensions, equilibrium, structures, friction. Vector notation.

320. **Computer-Aided Drafting and Design I.** 3 hrs. Prerequisite: ENT 120. Commercial CADD systems; hardware and software, graphics programming in two- and three- dimensions.

330. **Applied Thermal Science I.** 3 hrs. Corequisite: MAT 136. Heat energy, heat flow, and basic thermodynamic principles.

350. **Mechanics of Solids.** 4 hrs. Prerequisites: PHY 111, MAT 136. Study of rigid bodies in equilibrium; Analysis of statically determinate rigid body systems. Analysis of the elastic behavior of beams, shafts and columns. (Approval pending)

340. **Strength of Materials.** 3 hrs. Prerequisites: ENT 240, MAT 136. Centroids, stress, elastic deformation. Shear and flexure stress in beams. Combined stress and Mohr's circle.

340-L. **Strength of Materials Laboratory.** 1 hr. Corequisite: ENT 340.

360. **Mechanics of Materials.** 3 hrs. Prerequisites: CSS 240, MAT 168, and PHY 201. Stresses and strains; deformations; axial, torsional, bending and combined loading; thermal stresses; FORTRAN programs.

360-L. **Mechanics of Materials Laboratory.** 1 hr. Concurrent registration in ENT 360 is required.

390. **Engineering Economics.** 3 hrs. Corequisite: MAT 136. Aspects of investment analysis relating to equipment justification, retirement, and replacement in industry.

420. **Computer Aided Drafting and Design II.** 3 hrs. Prerequisite: ENT 320. CADD applied to architectural and engineering drawing using AUTOCAD.

430. **Solar Heating and Cooling.** 3 hrs. Solar energy conversion methods; collectors; residential, commercial heating and cooling, and the economics of solar energy.

430-L. **Solar Heating and Cooling Laboratory.** 1 hr.

450. **Electrical and Mechanical Systems.** 3 hrs. Corequisite: ENT 450L. Topics in electrical power, mechanical systems, control systems for industrial and manufacturing facilities. (Approval pending)

450-L. **Electrical and Mechanical Systems Laboratory.** 1 hr. Corequisite: ENT 450. (Approval pending)

470. **Electronics for Scientists.** 3 hrs. Prerequisite: PHY 112 or 202. Corequisite: ENT 470L. Practical electronics needed for maximum utilization of scientific instrumentation, automation, and logic circuits.

470-L. **Electronics for Scientists Laboratory.** 1 hr. Corequisite: ENT 470.

ENGLISH (ENG—224)

099. **Introduction to Composition.** 3 hrs. Required of entering freshmen with a below minimum English score on the ACT. Does not satisfy any University core or degree requirement.

100. **Fundamentals of Composition.** 3 hrs. (May not count toward a major, minor, or core.) Stresses grammar, mechanics, usage, and other basic writing skills.

101. **Composition One.** 3 hrs. Stresses clear, effective writing with special attention to syntactical and organizational skills. (CC 1113, 1213)

102. **Composition Two.** 3 hrs. Prerequisite: English 101. Refines compositional skills and stresses additional rhetorical and research methods. (CC 1123, 1223)

200. **Introduction to Drama.** 3 hrs. Focuses on drama of the western world.

201. **Introduction to Fiction.** 3 hrs. Focuses on the various types and modes of fiction, both short stories and novels.

202. **Introduction to Poetry.** 3 hrs. Focuses on major English and American poetry.

203. **World Literature.** 3 hrs. Acquaints students with the great figures and works of Western literature. (CC 2413, 2423, 2453)

206. **The Study of Language.** 3 hrs. Introduction to issues relevant to the understanding of language theory and use.

221. **Fiction Writing I.** 3 hrs. Introduction to fiction writing.

222. **Poetry Writing I.** 3 hrs. Introduction to poetry writing.

300. **Vocabulary Development.** 3 hrs. (May not count toward major, but with permission of the English Department adviser may count toward the minor.) Stresses the improvement of vocabulary.

301. **Traditional Grammar.** 3 hrs. Focuses on traditional grammar and usage.

311. **Survey of Contemporary Literature.** 3 hrs. Surveys major contemporary writers and their influences. (Required for secondary or middle grade certification.)

319. **Literary Study of the Bible.** 3 hrs. Examines the literary structure, style, and content of the English Bible.

321. **Fiction Writing II.** 3 hrs. Prerequisite: ENG 221. Stresses the techniques of short fiction writing.

322. **Poetry Writing II.** 3 hrs. Prerequisite: ENG 222. Stresses the techniques of poetry writing.

332. **Advanced Composition.** 3 hrs. Prerequisite: ENG 101 and ENG 102. Junior standing recommended. Emphasizes writing, research, and documentation skills needed for professional papers.

333. **Technical Writing.** 3 hrs. Prerequisite: English 101, 102 and junior standing or twelve hours in student's major field. Stresses report writing in student's major field.

340. **Analysis of Literature.** 3 hrs. Introduces the discipline of literary criticism. Prerequisites: ENG 101, 102, 203.

350. **Survey of British Literature I.** 3 hrs. Surveys major British literature from the Old English period to the Romantic period.

351. **Survey of British Literature II.** 3 hrs. Surveys major British literature from Romantic period to the present.

370. **Survey of American Literature I.** 3 hrs. Surveys American literature from its beginnings to the Civil War.

371. **Survey of American Literature II.** 3 hrs. Surveys American literature from the Civil War to the present.

372. **African-American Literature.** 3 hrs. Surveys major African-American writers and their influences.

400. **Senior Seminar.** Prerequisite: Senior standing. Explores various literary topics in a seminar setting. Repeatable to six hours.

401. **Advanced Grammar.** 3 hrs. Introduces structural and transformational grammar. (Required for secondary or middle-grade certification in English.)

403. **Introduction to Linguistics.** 3 hrs. Introduces the principles of descriptive linguistics.

406. **History of the English Language.** 3 hrs. Surveys the development of the English language from Old English to the present. (Required for secondary or middle-grade certification in English.)

408. **Studies in Theoretical Linguistics.** 3 hrs. Topics include syntax, phonology, semantics, lexicology.

409. **Studies in Applied Linguistics.** 3 hrs. Topics include field methods, varieties of English, psycholinguistics, sociolinguistics.

413. **Survey of The Modern Novel.** 3 hrs. Examines major British and Continental novels of the last hundred years.

415. **Modern Poetry.** 3 hrs. This course will acquaint students with the work of the significant modern poets, as well as the modern period's important poetic innovations and movements.

417. **Survey of Modern Drama.** 3 hrs. Surveys important British and Continental dramas of the twentieth century.

418. **Literature for the Adolescent.** 3 hrs. Study of literature and pedagogical theory for use with secondary school students.

419. **Studies in World Literature.** 3 hrs. Focuses on Continental, British, and American writers of the nineteenth and the twentieth centuries. Repeatable to nine hours.

421. **Fiction Writing III.** 3 hrs. Prerequisites: English 221 and 321. Provides an opportunity to develop techniques of fiction writing. Repeatable to nine hours.

422. **Poetry Writing III.** 3 hrs. Prerequisites: English 222 and 322. Provides an opportunity to develop techniques of poetry writing. Repeatable to nine hours.

423. **Creative Non-fiction Writing.** 3 hrs. Workshop in writing non-fiction prose: personal essay, reviews, opinion.

425. **Readings in the Theory of Fiction.** 3 hrs. Emphasizes theories and forms of contemporary fiction. Repeatable to six hours.

426. **Readings in the Theory of Poetry.** 3 hrs. Emphasizes theories and forms of contemporary poetry. Repeatable to six hours.

433. **Advanced Technical Writing.** 3 hrs. Advanced course in technical writing in which students prepare three or four major assignments related to a single research problem.

440. **Literary Criticism.** 3 hrs. Provides a historical approach to the study of literary criticism from the classical period to the present. Emphasis will be on major texts and critics.

451. **Chaucer.** 3 hrs. Emphasizes a close reading of The Canterbury Tales.

454. **Shakespeare's Comedies and Tragicomedies.** 3 hrs. Focuses on a selected group of Shakespeare's plays.

455. **Shakespeare's Histories and Tragedies.** 3 hrs. Focuses on a selected group of Shakespeare's plays.

456. **Survey of Sixteenth-Century English Literature.** 3 hrs. Surveys the more important English writers of this period.

457. **Survey of the Development of British Drama to 1642.** 3 hrs. Surveys English drama from its beginnings to 1642, exclusive of Shakespeare.

458. **Survey of Seventeenth-Century Prose and Poetry.** 3 hrs. Surveys the period 1600-1660, with emphasis on the "schools" of Donne and Jonson.

459. **Milton.** 3 hrs. Focuses on the poetry and prose of Milton, with emphasis on the major works.

460. **Survey of British Literature, 1660-1740.** 3 hrs. Surveys British Literature from the Restoration to 1740.

462. **Survey of British Literature, 1740-1798.** 3 hrs. Surveys British Literature from 1740 to 1798.

463. **Victorian Fiction and Prose.** 3 hrs. Surveys British fiction and non-fiction prose in the period 1830-1900.

464. **Survey of the British Novel to 1900.** 3 hrs. Surveys the development of British fiction from Richardson through Hardy.

465. **Survey of Nineteenth-Century British Literature: Romantic.** 3 hrs. Surveys poetry and prose of the period 1790 to 1830.

466. **Victorian Poetry and Drama.** 3 hrs. Surveys British poetry and drama of the period 1830 to 1900.

467. **Survey of Twentieth-Century British Literature.** 3 hrs. Surveys major twentieth-century British writers, emphasizing novelists and dramatists.

468. **British Women Writers.** 3 hrs. Emphasizes literature written by British women writers. Variable content.

469. **Studies in British Literature.** 3 hrs. Examines various topics in British Literature. Repeatable to nine hours.

470. **Survey of the American Literary Renaissance, 1820-1870.** 3 hrs. Examines the writings of Emerson, Thoreau, Hawthorne, Melville, Whitman, and others.

471. **Survey of the Rise of Realism in American Literature, 1870-1920.** 3 hrs. Examines American Literature after the Civil War, focusing on realism and naturalism.

472. **Survey of American Drama.** 3 hrs. Surveys American drama from its beginnings to the present, with emphasis on the twentieth century.

473. **Studies in African-American Literature.** 3 hrs. Focuses on specific genres, topics, or writers of African-American Literature.

477. **Survey of the American Novel 1920 to 1960.** 3 hrs. Surveys techniques and historical backgrounds of the major novelists.

478. **American Women Writers.** 3 hrs. Emphasizes literature written by American women writers. Variable content.

485. **Survey of Literature of the South.** 3 hrs. Emphasizes the fiction, poetry, and drama of twentieth-century Southern writers.

489. **Studies in American Literature.** 3 hrs. Focuses on notable movements, genres, and problems of American literature. Repeatable to nine hours.

490. **Reading/Writing Theory and Application.** 3 hrs. Focuses on reading/writing theory and applications for teacher-certification students. Course includes a computer component.

491. **Methods in English—Secondary.** 3 hrs. Focuses on methods and experiences of teaching English in secondary schools. Prerequisite: CIS 313.

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. Provides the opportunity to pursue a special topic or area of interest (Students undertaking a Senior Honors Project will enroll in ENG H492.).

494. **Practice Teaching in English I.** 7 hrs.

495. **Practice Teaching in English II.** 7 hrs.

496. **Caribbean Studies.** 3-6 hrs. Variable content. Lecture series under the auspices of the Center for International Education.

497. **Special Topics in British Studies.** 6 hrs. In-depth study in selected topics in British literature. Part of the USM British Studies Program.

498. **British Studies I.** 3-6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures from the beginnings of English literature to 1800.

499. **British Studies II.** 3-6 hrs. A five-week course taught in London, England. Generally offers an intensive study of topics and figures in English literature from 1800 to the present.

ENVIRONMENTAL SCIENCE (ESC—335)

250. **Industrial Safety.** 3 hrs. Comprehensive study of OSHA regulations for industrial site safety and implementation methods for compliance. (Approval pending)

301. **Living in the Environment.** 3 hrs. The biological, chemical, physical, and physiological principles important for the understanding of forensic sciences.

302. **Environmental Improvement Project.** 3 hrs. Prerequisite: ESC 301. Performing an actual environmental improvement project.

330. **Principles of Environmental Health.** 3 hrs. Environmental factors relating to transmission of communicable disease, chemical, and physical hazards to man.

350. **Pollution Control I.** 3 hrs. Prerequisite: CHE 104. Study of air pollution, its origins and effects, and methods of pollution abatement. Emphasis on control mechanisms, industrial control equipment, and operations. (Approval pending)

351. **Pollution Control II.** 3 hrs. Prerequisite: ESC 350. Study of water pollution, its occurrence, effects, and control provisions. Wastewater management practices. (Approval pending)

401. **Water Quality Analysis.** 3 hrs. Prerequisite: CHE 311, MAT 137. Sampling and testing for water quality.

401-L. **Water Quality Laboratory.** 1 hr.

405. **Environmental Impact Statements.** 3 hrs. Preparation of environmental impact statements.

431. **Industrial Hygiene.** 2 hrs. Detection and control of harmful agents in working environments, such as vapors, gases, mists, radiation, and sound.

431-L. **Industrial Hygiene Laboratory.** 1 hr.

450. **Environmental Law and Regulation.** 3 hrs. Prerequisite: ESC 351. A comprehensive survey of environmental regulations, litigation, and legislation related to industrial site operation and management. (Approval pending)

496. **Industrial Internship.** 6 hrs. A minimum of 400 total hours of internship under the direct supervision of industrial professionals in collaboration with USM faculty. (Approval pending)

FAMILY STUDIES (FAM—830)

101. **Introduction to Professional Studies.** 1 hr. Introduces the integrative nature of professions dealing with quality of life for individuals and families and issues of professional ethics.

150. **Social and Professional Development.** 2 hrs. Study of skills and competencies necessary for effective social and professional interactions.

151. **Personal Development and Interpersonal Relationships.** 3 hrs. A study of human development through awareness and understanding of peer and family relationships.

351. **Marital and Family Relationships.** 3 hrs. A study of relationship changes over the family life cycle with an emphasis on coping with normative and catastrophic stressors.

441. **Internship.** 3 hrs. Prerequisite: Senior standing and consent of instructor. supervised field experiences in a business or industry setting.

442. **Personal and Family Financial Management.** 3 hrs. Methods of obtaining and managing financial resources across the family life span.

443. **Family Resource Management.** 3 hrs. Prerequisite: FAM 442 or consent of instructor. Application of management principles to the problems of individuals and families.

450. **Sexuality in the Family.** 3 hrs. Research and theory on the impact of family life cycle changes on sexuality, intimacy, and gender needs and implications for the helping professional.

451. **Marriage Adjustments: Communication and Conflict.** 3 hrs. Mate selection, marital adjustment, divorce, and remarriage are examined. Emphasis on communication, power struggles, and problem solving.

452. **Parenthood. 3 hrs. Preparation for parenthood.** Relationships of parents and children studied, with emphasis on parenting styles and practices. Patterns of home and school interactions discussed.

453. **The Family in Later Life.** 3 hrs. An examination of family kinship patterns in later life; relationships with spouse, adult children, and siblings.

454. **Special Topics in Gerontology.** 1-3 hrs. Study of current issues in the field of aging. Topics will vary. May be repeated with permission of adviser.

475. **Contemporary Issues Affecting the Quality of Life.** 3 hrs. Prerequisite: Senior Standing. Interdisciplinary problem solving regarding issues of importance in improving the quality of human life.

490. **Practicum.** 3-9 hrs. Supervised work experience in a family service agency or similar setting.

492. **Special Problems in Family and Consumer Sciences.** 1-4 hrs. Prerequisites: Consent of instructor. (Students undertaking a Seniors Honor Project will enroll in FAM H492.

498. **British Studies Program: Studies in Family Relations.** 3-6 hrs. Current topics, trends, and issues which impact the family. Offered in London, England.

FASHION MERCHANDISING AND APPAREL STUDIES (FMA - 808)

121. **Fashion Fundamentals.** 3 hrs. An introduction of fashion merchandising with an overview of the fashion production and merchandising system.

131. **Basic Apparel Construction.** 3 hrs. Understanding and applying the fundamental principles of garment construction. (CC 1313)

220. **Professional Image and Dress.** 1 hr. A study of dress and appearance in developing a professional image.

221. **Fashion Modeling and Fashion Show Production.** 3 hrs. Basic principles of fashion modeling and fashion show production.

222. **Fashion Presentations.** 3 hrs. A study of fashion presentations and visual merchandising for different classifications of merchandise in the apparel, textiles, and accessories markets.

321. **Study Tour.** 1-6 hrs. Planned tour to market centers with emphasis on clothing, textiles, and fashion.

330. **Textiles I.** 3 hrs. A study of the production, properties, and performance of textile fibers, yarns, fabrics, and finishes.

331. **Evaluating Apparel Construction.** 3 hrs. Prerequisites: FMA 131 and 330. Utilization of elementary research principles applied to evaluation of sewn apparel products and their production methods related to cost, quality, performance, and appearance.

332. **Art of Dress.** 3 hrs. Experiences in perceiving visual design elements and social psychological factors as they relate to dress.

333. **Advanced Apparel Construction.** 3 hrs. Prerequisites: FMA 131 and 330. Application of advanced apparel construction techniques with emphasis on pattern alteration.

334. **Textiles II.** 3 hrs. Prerequisite: FMA 330. Advanced study of textile products.

335. **Costume History.** 3 hrs. Prerequisites: HIS 101 and 102. Cultural and economic factors concurrent to the adoption and abandonment of dress from ancient times to the present.

337. **Evaluating Fashion Merchandise.** 3 hrs. Prerequisite: FMA 331. Application of intermediate research principles and evaluation of specialized fashion merchandise categories in relation to variety, quality, market niche, and consumer demand.

421. **International Fashion Study.** 2-9 hrs. Planned study of international fashion centers with emphasis on clothing, textiles, and merchandising. May be repeated up to 9 hrs.

431. **Tailoring.** 3 hrs. Prerequisite: approval of instructor. Principles and techniques of tailoring applied to men's and women's apparel.

433. **Flat Pattern Design.** 3 hrs. Application of flat pattern design techniques to the creation of dress designs.

434. **History of Decorative Textiles.** 3 hrs. Prerequisites: FMA 330, or approval of instructor. Historical and methodological study of applied and structural textile design.

435. **Merchandising Mathematics.** 3 hrs. Prerequisite: MKT 300. Basic principles and applications of merchandising mathematics as related to the fashion industry.

436. **Fashion Merchandising.** 3 hrs. Prerequisites: FMA 121, 435, and MKT 300. A study of the assignments, responsibilities, and practices of fashion buying and merchandising.

437. **Principles of Apparel Design and Production.** 3 hrs. Prerequisites: FMA 331, 332 and 330. A study of the historical beginnings, the development and current methods used in the design and production of apparel and accessories.

439. **Retail Merchandising Internship.** 2-4 hrs. Prerequisites: FMA 337, 435 and 436, MKT 300, ENG 333, and senior standing. Understanding the operation and management of retail activities through a supervised work program in a cooperating apparel retail store. To qualify, students must have an overall 2.25 GPA. Approval must be obtained through application to the internship coordinator prior to registering.

478. **Seminar in Clothing and Textiles.** 1-6 hrs. Designed to examine pertinent issues and current trends in textiles and clothing.

492. **Special Problems.** 1-6 hrs. A directed individual study planned and approved by the chair of the department (Students undertaking a Seniors Honor Project will enroll in FMA H492.)

FINANCE (FIN—615)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

300. **Principles of Finance.** 3 hrs. Prerequisites: ACC 200, ECO 202, and MIS 201, 202. A study of the principles of financial analysis. Grade of C or better required to take higher-level finance courses.

310. **Money and Capital Markets.** 3 hrs. Co-requisite: FIN 300. A study of the financial instruments and operations of financial markets.

320. **Personal Financial Planning.** 3 hrs. Prerequisites: ACC 200 and ECO 202. Study of the management of personal financial affairs.

350. **Bank Administration.** 3 hrs. Prerequisite: FIN 300. A comprehensive survey of management problems faced by banks.

352. **Principles of Investments.** 3 hrs. Prerequisite: FIN 300. Introduction to security analysis and portfolio theory.

392. **Estate and Business Planning.** 3 hrs. Prerequisite: BA 200. The role of wills, trusts, loans, and insurance in a personal and business planning framework.

462. **Security Analysis.** 3 hrs. Prerequisite: FIN 300. A study of international, national, industrial, and corporate effects on security prices.

472. **International Business Finance.** 3 hrs. Prerequisite: FIN 300. A study of the financial management problems faced by multinational business firms.

480. **Financial Management.** 3 hrs. Prerequisite: FIN 300. The application of financial theory to the management decisions faced by business firms.

492. **Special Problems in Finance.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study of an approved topic in Finance. (Students undertaking a Senior Honors Project will enroll in FIN H492.)

498. **International Finance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international financial issues and practices.

499. **International Finance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international finance offered for students enrolled in FIN 498.

FOOD AND NUTRITION (FN—815)

167. **Nutrition for Living.** 1 hr. A study of nutrition concepts relating to health and human wellness. (HPR 1241, 1751)

261. **Meal Management.** 3 hrs. Prerequisite: FSM 272, 272L. Management of resources: time, energy, and money, in selection, purchasing, preparation, and serving of foods; cultural aspects of meal planning. Includes laboratory. (CC 2213)

265. **Orientation to Dietetics.** 1 hr. Study of dietetics and careers in the profession.

362. **Nutrition**. 3 hrs. Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of the body during the life cycle.

363. **Maternal and Child Nutrition.** 3 hrs. A study of the nutritional requirements and food habits of mothers and their infants and children through adolescence.

364. **Teaching Food and Nutrition in the Elementary Grades.** 3 hrs. Course planned to give understanding of materials and methods for teaching nutrition at this level.

367. **Nutrition in Health Care.** 3 hrs. Study of the science of nutrition and its application for health care providers.

410. **Intermediate Nutrition**. 3 hrs. Prerequisites: CHE 321, FN 362 or 367. The study of specific nutrient effects on human metabolism. Metabolic pathways are explored and the roles of specific nutrients in these pathways are discussed.

420. **Nutrition in the Life Cycle.** 3 hrs. Prerequisite: BSC 250, 251; CHE 251; FN 362 or 367. Study of the role of nutrition in health, growth, and development at each stage of the life cycle.

420-L. **Nutrition in the Life Cycle Laboratory.** 2 hrs. Corequisite: FN 420 and permission of instructor. Applied nutrition course to develop skills in interviewing, counseling, and basic assessment of nutritional status of healthy individuals.

430. **Experimental Foods.** 3 hrs. Prerequisites: FN 362 or 367 and CHE 251, 251L. Study of selected nutritional, chemical, physical, and sensory properties of foods in relation to preparation procedures. Includes laboratory.

460. **Advanced Nutrition.** 3 hrs. Prerequisites: FN 410, CHE 321, and a course in physiology. Biochemical and physiological interactions among vitamins, carbohydrates, protein, fats and elements in relation to nutritional requirements and utilization.

461. **Clinical Nutrition.** 3 hrs. Prerequisites: FN 362 or 367, CHE 321, and a course in physiology. Biochemical and physiological bases for dietary treatment of various disease states.

461-L. **Clinical Nutrition Laboratory.** 2 hrs. Corequisite: FN 461 and admission to the Coordinated Program in Dietetics. Application of dietetics in a hospital setting.

462. **Food Preservation**. 3 hrs. Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463. **Community Nutrition**. 3 or 5 hrs. Prerequisite: FN 420, or permission of instructor. Study of nutrition assessment methodology and resources available within the community.

464. **Clinical Dietetics.** 4-15 hrs. Permission of instructor required. Prerequisites: FN 410 and 461. Study of disease states and dietary management in clinical settings.

465. **Seminar.** 1 hr. Prerequisite: FN 362 and CHE 321. Selected topics in nutrition. May be repeated for a total of 3 semester hours.

467-L. **Practicum in Dietetics.** 3-6 hrs. Prerequisites: FN 464 and FSM 477. Application of dietetics in selected health care settings.

492. **Special Problems in Food and Nutrition.** 1-4 hrs. Prerequisite: Senior standing and permission of the instructor. (Students undertaking a Seniors Honors Project will enroll in FN H492.)

FOOD SERVICE MANAGEMENT (FSM—827)

100. **Introduction to Food Service Management.** 1 hr. An overview of the food service industry. Emphasis on the history of food service management. Students will explore career opportunities in institutional food services.

271. **Problems in Managing a Food Service.** 3 hrs. Organizational structure of the federal school lunch program. Emphasis placed on management procedures.

272. **Principles of Food Preparation**. 2 hrs. Study of theories and techniques of food preparation and their effects on food products.

272-L. **Principles of Food Preparation Laboratory.** 1 hr. Corequisite: FSM 272.

310. **Introduction to Governmental Food and Nutrition Programs.** Prerequisite: FSM 100. Emphasis on child nutrition programs and federally funded feeding programs for the older American population.

340. **Quantity Food Production and Service.** 3 hrs. Prerequisites: FSM 272, 272-L. Corequisite: FSM 340L. Principles of quantity food production, purchasing, and service.

340-L. **Quantity Food Production and Service Laboratory.** 2 hrs. Corequisite: FSM 340.

342. **Human Resource Training and Development in Food Service Systems.** 3 hrs. Prerequisites: FSM 340 and MGT 300. Exploration of theories related to staffing and developing personnel for food service operations. Emphasis on training techniques for the food service industry.

370. **Catering.** 3 hrs. Prerequisites: FSM 272, 272-L and permission of instructor. Principles, techniques and implementation of special functions in food service. Includes laboratory.

440. **Food Service Management**. 3 hrs. Prerequisites: Junior standing and FSM 340, 340-L and MGT 300. Corequisite: FSM 440L. A study of management of food service systems and interrelationships of components of these systems.

440-L. **Food Service Management Laboratory.** 2 hrs. Corequisite: FSM 440.

441. **Purchasing in the Hospitality Industry.** 3 hrs. Prerequisite: Junior standing and FSM 440. Procurement of food and non-food materials in hospitality and related industries.

442. **Food Service Layout and Design.** 3 hrs. Prerequisites: FSM 340, 340-L. Planning, designing, and layout of food service facilities with emphasis with emphasis on arrangement and selection of equipment.

450. **Research Methods for Food Service Management.** 2 hrs. Prerequisites: FSM 440, 440-L, and MKT 300. An exploration of research methods used in food service operations. Emphasis on planning and implementing studies to ascertain customer food preferences, habits and satisfaction.

451. **Contemporary Issues in Food Service Management**. 1 hr. Prerequisites: Senior standing and FSM 440 and 440-L. Topics of current interest in the food service industry. May be repeated for a maximum of 3 hrs.

473. **Food Systems Management**. 6 hrs. Prerequisite: FSM 340, 340L. Organization and management of food service operations; cost control techniques; layout and equipment; and human relations.

477. **Administrative Dietetics**. 3-6 hrs. Prerequisite: FSM 440, 440L. Permission of instructor. Study and application of management theory and techniques in the supervision of food service personnel.

490. **Practicum in Food Service Management**. 4 hrs. Prerequisites: Senior standing and HRT 445 and FSM 450. Supervised experience in a quantity food service system.

492. **Special Problems in Food Service Management.** 1-4 hrs. Prerequisite: Permission of instructor and Director of the School of Home Economics. (Students undertaking a Senior Honors Project will enroll in FSM H492.)

FOREIGN LANGUAGES (FL—228)

101. **Introduction to Exotic Languages I.** 3 hrs.

102. **Introduction to Exotic Languages II.** 3 hrs. Prerequisite: FL 101 in the same language.

181. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture of the language

and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

281. **Intermediate Credit for Study Abroad.** 3-6 hrs. Prerequisites: same as FL 181.

381. **Credit for Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; otherwise same as FL 181. (see FL 181)

401. **World Languages and Cross-Cultural Training.** 3 hrs. Introduction to five major world languages with accompanying cross-cultural training. May not be used to fulfill requirements for either a major or minor in foreign languages or to fulfill the language requirement for the B.A. degree.

431. **Foreign Language Film.** 1-3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

461. **Methods of Teaching Foreign and Second Languages.** 3 hrs. Prerequisite: Consent of instructor. May be taken for a total of six (6) hours.

462. **Translation.** 3 hrs. Prerequisite: Consent of instructor.

481. **Advanced Credit for Study Abroad.** 3-9 hrs. Arranged. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FL 381. (see FL 381)

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of instructor. May be repeated twice. (Students undertaking a Senior Honors Project will enroll in FL H492.)

494. **Student Teaching in Foreign Language I.** 7 hrs.

495. **Student Teaching in Foreign Language II.** 7 hrs.

CHINESE (CHI—244)

101. **Beginning Chinese I.** 3 hrs.

102. **Beginning Chinese II.** 3 hrs. Prerequisite: CHI 101 or equivalent.

FRENCH (FRE—241)

101. **Beginning French I.** 3 hrs. (CC 1113)

102. **Beginning French II.** 3 hrs. Prerequisite: FRE 101 or equivalent. (CC 1123)

181. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of France or French-speaking Canada. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

201. **Intermediate French I.** 3 hrs. Prerequisite: FRE 102 or equivalent. (CC 2113)

202. **Intermediate French II.** 3 hrs. Prerequisite: FRE 201 or equivalent. (CC 2123)

281. **Intermediate Credit for Study Abroad.** 3-6 hrs. Prerequisites: Elementary knowledge of French; otherwise, same as FRE 181. (See FRE 181)

305. **French Grammar Review.** 3 hrs. Prerequisite: FRE 202 or equivalent. Advanced study of French grammar and stylistics: composition, reading and stylistic analysis.

341. **Introduction to Literature.** 3 hrs. Prerequisite: FRE 202 or equivalent. An introduction to the study of French prose, poetry, drama; techniques of literary analysis; continued study of French language.

342. **Masterpieces of Afro-French Literature in Translation.** 3 hrs. A study of different genres of Afro-French literature in translation. Works from French-speaking Africa and the Caribbean area. Prerequisite: ENG 203.

381. **Study Abroad.** 3-9 hrs. Prerequisite: Intermediate knowledge of French; otherwise same as FRE 181. (See FRE 181)

405. **French Phonology.** 3 hrs. An introduction to French phonemics and phonetics with intensive practice in the pronunciation of standard and nonstandard French.

406. **Advanced Composition.** 3 hrs. Prerequisite: At least three (3) hours of French at the 300 level. Practice in descriptive, narrative, analytical and research composition, with attention to style, vocabulary, and morphology as well as to methods of organization and presentation.

411. **Advanced Conversation.** 3 hrs. Prerequisite: Advanced knowledge of French. Intensive practice in formal and informal language use. On topics drawn from print and electronic media.

431. **French Film.** 3 hrs. Prerequisite: Consent of instructor. Study of literary and linguistic aspects of foreign films in a given foreign language.

435. **Modern France.** 3 hrs. Prerequisite: At least three (3) hours of French at the 300 level. Contemporary French education, social attitudes, politics, urban and rural life. May be repeated once.

436. **Francophone Civilization and Culture.** 3 hrs. Prerequisite: 3 hours at the 300-level. Studies in the history, art, beliefs, behavior, and values of France and French-speaking cultures. Topics will vary. May be repeated once.

442. **Survey of French Literature.** 3 hrs. Prerequisite: At least three (3) hours of French at the 300 level. A chronological study of French literature. May be repeated for a total of six hours if topics vary.

445. **Topics in French Literature.** 3 hrs. Prerequisite: At least three (3) hours of French at the 300 level. May be taken for a total of six hours if topics vary.

447. **The Negritude Literary Movement.** 3 hrs. A study of different works associated with the negritude literary movement, encompassing areas of French-speaking Africa and the Caribbean area. Prerequisite: a 300-level French course.

481. **Study Abroad.** 3-9 hrs. Arr. Prerequisite: Advanced knowledge of the language to be studied; otherwise same as FRE 181. (see FRE 181)

491. **Advanced Studies in the French Language.** 3 hrs. Prerequisites: Completion of at least one 300-level course and permission of instructor. Content varies in response to students' interests and needs. May be repeated once.

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of the instructor and approval by chair. May be repeated twice.

GERMAN (GER—243)

101. **Beginning German I.** 3 hrs. (CC 1313)

102. **Beginning German II.** 3 hrs. Prerequisite: GER 101 or equivalent. (CC 1323)

201. **Intermediate German I.** 3 hrs. Prerequisite: GER 101 or equivalent. (CC 2313)

202. **Intermediate German II.** 3 hrs. Prerequisite: GER 102 or equivalent. (CC 2323)

281. **Intermediate Credit for Study Abroad.** 3-6 hrs.

305. **Conversation and Composition.** 3 hrs. Prerequisite: GER 202 or equivalent.

341. **Reading German.** 3 hrs. Prerequisite: GER 202. An introduction to reading German literature and other documents for comprehension and literary analysis.

381. **Study Abroad.** 3-9 hrs. Prerequisites: Intermediate knowledge of the language to be studied; prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of a foreign area. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

405. **German Diction and Phonetics.** 3 hrs. Prerequisite: Permission of instructor.

406. **Advanced Grammar.** 3 hrs. Prerequisite: GER 341. Advanced study of German grammar, reading and stylistic analysis.

442. **Survey of German Literature.** 3 hrs. Prerequisite: GER 341. A chronological study of German literature. May be taken for a total of six hours if topics vary. Credit obtained through study abroad.

443. **Survey of German Literature II.** 3 hrs. Prerequisite: At least three hours of German at the 300 level. May be repeated for a total of six (6) hours if topics vary. Credit obtained through study abroad.

445. **Topics in German Literature.** 3 hrs. Prerequisite: GER 341. May be taken for a total of six hours if topics vary. Credit obtained through study abroad.

446. **The German Novelle.** 3 hrs. Prerequisite: GER 341. A study of important Novellen representative of literary currents in the nineteenth and twentieth centuries, and an examination of literary theory relevant to the genre.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as GER 381. (see GER 381)

491. **Advanced Studies in the German Language.** 3 hrs. Prerequisite: At least three hours of German at the 300 level. May be repeated for a total of six hours if topics vary. Credit obtained through study abroad.

GREEK (GRK—249)

101. **Beginning Greek I.** 3 hrs.

102. **Beginning Greek II.** 3 hrs. Prerequisite: GRK 101 or equivalent.

201. **Intermediate Greek I.** 3 hrs. Prerequisite: GRK 102 or equivalent.

202. **Intermediate Greek II.** 3 hrs. Prerequisite: GRK 201 or equivalent.

445. **Readings in Greek Literature.** 3 hrs. Prerequisite: GRK 201 or equivalent. May be taken for a total of nine hours if topics vary.

ITALIAN (ITA—246)

101. **Beginning Italian I.** 3 hrs.

102. **Beginning Italian II.** 3 hrs. Prerequisite: ITA 101 or equivalent.

181. **Beginning Credit for Study Abroad.** 3-6 hrs. Prerequisites: same as FL 181. (see FL 181)

201. **Intermediate Italian I.** 3 hrs. Prerequisite: ITA 102 or equivalent.

202. **Intermediate Italian II.** 3 hrs. Prerequisite: ITA 201 or equivalent.

281. **Intermediate Credit for Study Abroad.** 3-6 hrs. Prerequisites: same as FL 281. (see FL 281)

381. **Credit for Study Abroad.** 3-6 hrs. Prerequisites: same as FL 381. (see FL 381)

481. **Advanced Credit for Study Abroad.** 3-6 hrs. Prerequisites: same as FL 481. (see FL 481)

JAPANESE (JPN—245)

101. **Beginning Japanese I.** 3 hrs.

102. **Beginning Japanese II.** 3 hrs. Prerequisite: JPN 101 or equivalent.

201. **Intermediate Japanese I.** 3 hrs. Prerequisite: 102 or equivalent.

202. **Intermediate Japanese II.** 3 hrs. Prerequisite: 201 or equivalent.

LATIN (LAT—242)

101. **Beginning Latin I.** 3 hrs.

102. **Beginning Latin II.** 3 hrs. Prerequisite: LAT 101 or equivalent.

201. **Intermediate Latin I.** Prerequisite: LAT 102 or equivalent. (CC 2413)

202. **Intermediate Latin II.** Prerequisite: LAT 201 or equivalent. (CC 2423)

445. **Readings in Latin Literature.** 3 hrs. Prerequisite: LAT 202 or equivalent. May be taken for a total of nine hours if topics vary.

RUSSIAN (RUS—248)

101. **Beginning Russian I.** 3 hrs.

102. **Beginning Russian II.** 3 hrs. Prerequisite: RUS 101 or equivalent.

201. **Intermediate Russian I.** 3 hrs. Prerequisite: RUS 102 or equivalent.

202. **Intermediate Russian II.** 3 hrs. Prerequisite: RUS 201 or equivalent.

305. **Conversation and Composition.** 3 hrs. Prerequisite: RUS 202.

341. **Reading Russian.** 3 hrs. Prerequisite: RUS 202.

SPANISH (SPA—240)

101. **Beginning Spanish I.** 3 hrs. (CC 1213)

102. **Beginning Spanish II.** 3 hrs. Prerequisite: SPA 101 or equivalent. (CC 1223)

181. **Beginning Credit for Study Abroad.** 3 hrs. Prerequisites: prior arrangements for evaluation and receipt of credit. Credit will be granted for systematic study of the language and culture or the language and literature of Spain and Spanish America. Study must be under the direction of a recognized teaching institution approved in advance by the Department of Foreign Languages and Literatures. The department will examine and grade the progress and achievement of the participants in this program before granting credit.

201. **Intermediate Spanish I.** 3 hrs. Prerequisite: SPA 102 or equivalent. (CC 2213)

202. **Intermediate Spanish II.** 3 hrs. Prerequisite: SPA 201 or equivalent. (CC 2223)

231. **Intermediate Reading and Civilization I.** 3 hrs. Prerequisite: SPA 102 or SPA 162. Reading skills and Spanish history and culture from the beginnings until 1700. Credit is not granted for both SPA 201 and SPA 231. Not applicable towards the major or minor.

232. **Intermediate Reading and Civilization II.** 3 hrs. Prerequisite: SPA 201 or SPA 231. Intermediate reading skills and Spanish history and culture from 1700 to the present. Credit is not granted for both SPA 202 and SPA 232. Not applicable towards the major or minor.

281. **Intermediate Credit for Study Abroad.** 3-6 hrs. Prerequisites: Elementary knowledge of Spanish; otherwise same as SPA 181. (See SPA 181)

305. **Spanish Reading and Composition.** 3 hrs. Prerequisite: SPA 202. Reading in the contemporary short story, discussion of literary techniques, composition, grammar review.

313. **Grammar Review.** 3 hrs. Prerequisite: SPA 202. A review of the principles of Spanish grammar.

321. **Spanish Intermediate Conversation.** 3 hrs. Prerequisite: SPA 202. Prepared dialogs based on life situations and current events.

341. **Introduction to Spanish Literature.** 3 hrs. Prerequisite: SPA 202 or equivalent. Introduction to genres, literary structure, terms, methods of critical analysis and approaches to the reading and study of Spanish literature.

361. **Spanish for Law Enforcement.** 3 hrs. Prerequisite: SPA 201. For Criminal Justice majors only.

381. **Study Abroad.** 3-9 hrs. Prerequisite: Intermediate knowledge of Spanish; otherwise same as SPA 181. (See SPA 181)

405. **Spanish Phonetics.** 3 hrs. A contrastive study of the phonetic systems of English and Spanish with emphasis on corrective exercises in Spanish pronunciation.

406. **Advanced Composition and Grammar.** 3 hrs. Prerequisite: SPA 202. Review of basic grammar, progressing to more sophisticated aspects; idiom study; composition.

411. **The Spanish Subjunctive.** 3 hrs. Prerequisite: SPA 406. A study of subjunctive structures and concepts, with composition practice.

421. **Advanced Conversation.** 3 hrs. Prerequisite: SPA 321. Conversational practice in formal and informal language drawn from print and electronic media.

435. **Spanish Culture and Civilization.** 3 hrs. Prerequisite: SPA 202. A chronological survey of Spanish history and culture from Celt-Iberian times to the present.

436. **Latin American Culture and Civilization.** 3 hrs. A chronological survey of Hispanic civilizations and institutions.

442. **Survey of Spanish Literature.** 3 hrs. Prerequisite: At least three hours of Spanish at the 300 level. May be taken for a total of six hours if topics vary.

445. **Topics in Spanish Literature.** 3 hrs. Prerequisite: At least three hours of Spanish at the 300 level. May be taken for a total of six hours if topics vary.

446. **Don Quijote.** 3 hrs. A study of the Cervantes novel, of its historical and literary background, and of the principal critical materials.

452. **Topics in Latin American Literature.** 3 hrs. Prerequisite: At least three hours of Spanish at the 300 level. May be taken for a total of six hours if topics vary.

481. **Study Abroad.** 3-9 hrs. Prerequisites: Advanced knowledge of the language to be studied; otherwise same as SPA 181. (see SPA 181)

491. **Advanced Studies in the Spanish Language.** 3 hrs. Prerequisite SPA 202. Content varies in response to students' interests and needs. Topics include: syntax, lexicography, and etymology. May be repeated for a total of six hours.

492. **Special Problems.** 1-3 hrs. Prerequisite: Consent of the instructor and approval by chair. May be repeated twice.

FORENSIC SCIENCE (FSC—375)

140. **The Science of Forensic Science.** 3 hrs. The biological, chemical, physical, and physiological principles important for the understanding of forensic science.

140-L. **The Science of Forensic Science Laboratory.** 1 hr. Concurrent registration in FSC 140 is required.

340. **Criminalistics.** 3 hrs. The science of fingerprints. Study of the techniques employed in the identification, interpretation, classification, and recovery of fingerprints.

341. **Forensic Science.** 3 hrs. The collection and analysis of physical evidence.

341-L. **Forensic Science Laboratory.** 1 hr. Concurrent registration in FSC 341 is required.

345. **Crime Scene Documentation.** 3 hrs. Prerequisites: FSC 340 and FSC 341 or permission of instructor. Concurrent registration in FSC 345L is required. The processing of a crime scene, including crime scene photography, sketching of the crime scene, and collecting and processing evidence.

345-L. **Crime Scene Documentation Laboratory.** 1 hr. Concurrent registration in FSC 345 is required.

430. **Survey of Forensic Toxicology.** 3 hrs. Toxicology as applied to forensic investigations.

440. **Drug Identification.** 3 hrs. Lectures, demonstrations and discussions covering all aspects of drug identification, emphasizing those relating to law enforcement, are presented.

442. **Arson and Explosives.** 3 hrs. Introduction to fire investigation; arson and bombings.

442-L. **Arson and Explosives Laboratory.** 1 hr. Concurrent registration in FSC 442 is required.

450. **Environmental Law and Regulation.** 3 hrs. Prerequisite: ESC 351. A comprehensive survey of environmental regulations, litigation, and legislation related to industrial site operation and management. (Approval pending)

491. **Special Projects in Forensic Science.** 2 hrs. Individual studies in forensic science principles.

491-L. **Laboratory for Forensic Science.** 2 hrs. Hands-on experience with true forensic science situations.

496. **Industrial Internship.** 6 hrs. A minimum of 400 total hours of internship under the direct supervision of industrial professionals in collaboration with USM faculty. (Approval pending)

497. **Field Study in Forensic Science.** 3, 6, or 9 hrs. Prerequisite: permission of the Director of Forensic Science. Field work offering research and practice in a forensic science setting.

FUNDAMENTALS OF SCIENCE (FS-390)

The three courses in the FS sequence are laboratory courses designed to meet core requirements for elementary education and special education majors. Laboratory (1 hr.) must be taken concurrently with lecture (3 hrs.). These courses are designed to address the key concepts and principles of science needed to teach science effectively in the elementary grades.

131. **General Physical Science.** 3 hrs. Restricted to Elementary or Special Education majors. Study of the interaction of matter and energy.

131-L. **Laboratory for General Physical Science.** 1 hr. A laboratory designed to accompany FS 131. Concurrent registration in FS 131 is required.

133. **General Biological Science.** 3 hrs. Restricted to Elementary or Special Education majors. A study of interactions of organisms with their environment.

133-L. **Laboratory for General Biological Science.** 1 hr. A laboratory designed to accompany FS 133. Concurrent registration in FS 133 is required.

135. **Earth and Environmental Science.** 3 hrs. Restricted to Elementary or Special Education majors. A study of the lithosphere, hydrosphere, atmosphere, and environmental concerns.

135-L. **Earth and Environmental Science Laboratory.** 1 hr. A laboratory designed to accompany FS 135. Concurrent registration in FS 135 is required.

GENERAL STUDIES (GS—010)

100. **Orientation.** 1 hr.

101. **University Success Skills.** 2 hrs. A survey of academic skills, strategies, and techniques needed for successful performance within the university setting. Emphasizes skill areas related to successful note taking, test taking, time management, stress management, and use of resources, as well as highlighting university policies and procedures.

301. **College Survival.** 1 hr. Offered at USM-Gulf Coast.

GEOGRAPHY AND AREA DEVELOPMENT (GHY—268)

101. **World Regional Geography.** 3 hrs. Introduction to world regional geography with emphasis on human relationships to the land. (CC 1113)

102. **Introduction to Geography.** 3 hrs. Introduction to the basic elements and concepts of geography. (CC 1123)

210. **Maps and Maps Interpretation.** 3 hrs. Introduction to the role of maps and remotely sensed images in society in the Age of Information. Covers history, philosophy, interpretation, and use of maps.

310. **Principles of Cartography.** 2 hrs. Theory of design and construction of maps from compilation through reproduction: projections design and symbols. Concurrent registration in GHY 310L required.

+310-L. **Principles of Cartography Laboratory.** 2 hrs. Techniques of map construction. Concurrent registration in GHY 310 required.

325. **Applied Physical Geography.** 3 hrs. General introduction to the major systems of the earth's physical environment (climate, vegetation, soils, and landforms); emphasis on interrelationships between systems, environmental problems, and human impacts.

+325-L. **Applied Physical Geography Laboratory.** 1 hr. Pre- or Corequisite: GHY 325. Analysis of physical geographic data, maps, and charts. Field trips may be required.

326. **Introduction to Meteorology and Weather Forecasting.** 3 hrs. GHY 325 recommended as prerequisite. An introduction to the atmosphere, its processes and weather forecasting.

327. **Earth Surface Processes and Environments.** 3 hrs. GHY 325 recommended as prerequisite. Study of the natural processes influencing the origin and development of landscapes.

331. **Cultural Systems in the Environment.** 3 hrs. Geographical analysis of human interactions with environment through time; considers spatial significance and distribution of various cultural elements.

341. **World Political Geography.** 3 hrs. Geographic approach to patterns of power and conflict among nations. Consideration of strategic areas, disputed zones, and regional blocs.

350. **Introduction to Economic Geography.** 3 hrs. Principles of economic geography as developed through regional studies of characteristics and areal associations of economic phenomena.

362. **Urban Geography.** 3 hrs. Review of urban development, processes contributing to development, and effect these processes have on cities.

370. **Conservation of Natural Resources.** 3 hrs. An analysis of basic principles and problems associated with the use, misuse, and conservation of natural resources.

400. **Geography of Mississippi.** 3 hrs. Survey of physical, economic, and historical geography of the state; emphasis on human- environment relations and problems.

401. **Geography of the United States and Canada.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

402. **Geography of Middle America and the Caribbean.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

403. **Geography of South America.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

404. **Geography of Europe.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

405. **Geography of Russia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

406. **Geography of Africa.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

407. **Geography of East and South Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

408. **Geography of Southwest Asia.** 3 hrs. A geographical analysis of the physical and human characteristics of the region.

410. **Advanced Cartography.** 2 hrs. Prerequisite: GHY 310. Corequisite: GHY 410-L. Map projections, geodesy, quantitative symbolization, color separation, reproduction.

+410-L. **Advanced Cartography Laboratory.** 2 hrs. Corequisite: GHY 410. Advanced map design, scribing, and reproduction laboratory.

411. **Remote Sensing Image Interpretation.** 2 hrs. Corequisite: GHY 411- L. Introduction to Remote Sensing; interpretation and application of air photos and other remote sensing images.

+411-L. **Remote Sensing Image Interpretation Laboratory.** 1 hr. Corequisite: GHY 411. Application of remote sensing images and air photos to natural and cultural environmental problems.

412. **Remote Sensing of the Environment.** 2 hrs. Prerequisite: GHY 411 or permission of instructor. Theory of acquisition processing, and analysis of remotely sensed data and images, and survey of environment applications of remote sensing.

+412-L. **Remote Sensing Laboratory.** 1 hr. Corequisite: GHY 412. Processing and analysis of data and images collected by remote sensing methods.

413. **Field Methods.** 3 hrs. Basic methods used to classify, analyze, and report field- gathered data in geography and planning.

415. **Quantitative Methods in Spatial Analysis.** 3 hrs. A basic course in statistical and other quantitative techniques applied to problems of spatial analysis. (Completion of MAT 101 is recommended.)

416. **Computer Applications in Geography.** 2 hrs. Prerequisite: Experience using non-procedural computer languages. Corequisite: GHY 416-L. Concepts and applications of computerized geographic mapping, information, simulation, and analytic systems.

+416-L. **Computer Applications in Geography Laboratory.** 1 hr. Corequisite: GHY 416. Operation of computerized geographic information, simulation, and analytic systems. Uses non- procedural techniques.

417. **Geographic Information System Design.** 2 hrs. Prerequisite: FORTRAN or Pascal. Theory, design, and application of geographic data handling and analysis systems.

+417-L. **Geographic Information System Design Laboratory.** 2 hrs. Pre- or Corequisite: GHY 417. Design and programming of geographic data handling and analysis systems using the Ada programming language.

418. **Geographic Information Management.** 2 hrs. Prerequisite: GHY 417. Implementation and management of GIS in public sector organizations and use of GIS in decision-making.

+418-L. **Geographic Information Management Laboratory.** 1 hr. Corequisite: GHY 418. Construction and use of a GIS data base in response to decision- making needs.

425. **Applied Climatology.** 3 hrs. The application of climatic data to the solution of various social, economic, and environmental problems.

427. **Meteorology.** 3 hrs. Study of the temporal and areal variations in composition, structure, and working of the atmosphere. Practice in use of instruments and measurements.

428. **Severe Storms.** 3 hrs. An examination of the causes, characteristics and destructive nature of severe weather.

435. **Historical Geography of the American Landscape.** 3 hrs. Study of evolution of cultural landscapes of the area now comprising the United States; emphasis on processes of change.

440. **Population and Human Resources.** 3 hrs. A geographical analysis of the biological and cultural characteristics of population.

451. **Theory of Economic Location.** 3 hrs. Principles of economic location analysis with emphasis on locational decision making and investment by different types of businesses. Relevance to economic development is stressed.

473. **Water Resources.** 3 hrs. Study of hydrologic processes operating in the near-surface environment and their applications to practical problems.

474. **Watershed Management.** 3 hrs. Analysis of hydrological, erosional, and environmental processes important in the management of watersheds; emphasis on erosion, sedimentation, and pollution.

489. **Caribbean Studies.** 3 hrs. Variable content. Lecture series, field exercises, and research offered abroad under the auspices of the Center for International Education.

491. **Geography Internship.** 1-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-3 hrs. May be repeated for a total of six hours. (Students undertaking a Seniors Honor Project will enroll in GHY H492.)

493. **Internship in Cartography.** 1-6 hrs. Prerequisite: Permission of Instructor.

494. **Prolaboratory in Cartography.** 1-3 hrs. Prerequisite: Permission of Instructor. Preparation and presentation of a professional cartographic or remote sensing project. May be repeated with change of content for a total of six (6) hours of credit.

499. **British Studies.** 3-6 hrs.

GEOLOGY (GLY—340)

101. **Physical Geology.** 3 hrs. An introductory course emphasizing the origin and nature of earth materials and processes affecting the earth's surface and interior. (CC 1113)

101-L. **Physical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 101. An elementary study of rocks, minerals, and maps. (CC 1111)

103. **Historical Geology.** 3 hrs. A study of earth history as revealed in the character and fossil content of rocks. (CC 1123)

103-L. **Historical Geology Laboratory.** 1 hr. Pre- or Corequisite: GLY 103. Introduction to the study of fossils and interpretation of geologic maps. (CC 1121)

151. **Introduction to Ocean Science.** 3 hrs. Survey of the physical, chemical, geological, and biological features of the ocean. (Same as MAR 151)

151-L. **Introduction to Ocean Science Laboratory.** 1 hr. Pre- or Corequisite: GLY 151. Elementary exercises for interpreting oceanographic data and samples. (Same as MAR 151L)

301. **Mineralogy.** 3 hrs. Prerequisites: GLY 101, GLY 101L, CHE 106. Pre- or Corequisite: MAT 103. Elements of crystallography, silicate structures, and determinative mineralogy.

301-L. **Mineralogy Laboratory.** 1 hr. Corequisite: GLY 301.

304. **Petrology.** 3 hrs. Prerequisites: GLY 301, GLY 301L. Principles of rock genesis, classification, and recognition.

304-L. **Petrology Laboratory.** 1 hr. Corequisite: GLY 304.

306. **Environmental Geology.** 3 hrs. Prerequisite: GLY 101 or permission of instructor. The nature of geological hazards and man's impact on the environment.

308. **Structural Geology.** 3 hrs. Pre- or Corequisite: GLY 301. Principles of rock deformation.

308-L. **Structural Geology Laboratory.** 1 hr. Corequisite: GLY 308.

310. **Geomorphology.** 2 hrs. Prerequisites: GLY 101, GLY 101L, MAT 103 or equivalent. Study of geologic processes involved in landscape development.

310-L. **Geomorphology Laboratory.** 1 hr. Corequisite: GLY 310.

311. **Field Geology.** 6 hrs. Prerequisite: GLY 380 or permission of instructor. Preparation of stratigraphic and structure sections, use of Brunton compass, and geologic map preparation in the field.

341. **Invertebrate Paleontology.** 3 hrs. Prerequisites: GLY 103, GLY 103L, BSC 110 or equivalent, or permission of instructor. Taxonomy, morphological features, and geologic distribution of invertebrate fossils.

341-L. **Invertebrate Paleontology Laboratory.** 1 hr. Corequisite: GLY 341.

380. **Introduction to Geological Field Work.** 2 hrs. Prerequisite: GLY 308. Pre- or Corequisites: GLY 304. Practice in use of Brunton compass, geological map-making, recording field data, and keeping field notes.

401. **Principles of Stratigraphy.** 3 hrs. Prerequisites: GLY 301, GLY 308, GLY 341, or permission of instructor. A study of the character and distribution of sedimentary rock units in space and time.

403. **Optical Mineralogy.** 3 hrs. Pre- or Corequisite: GLY 304. Introduction to optical mineralogy, and thin section study of rocks using polarizing microscope.

403-L. **Optical Mineralogy Laboratory.** 1 hr. Corequisite: GLY 403.

405. **Sedimentology.** 3 hrs. Prerequisite: GLY 304. Origin of sedimentary particles, sedimentary structures, and classification of sedimentary rocks.

405-L. **Sedimentology Laboratory.** 1 hr. Corequisite: GLY 405.

406. **Fundamentals of Crystallography.** 1 hr. Prerequisite: MAT 103. An introduction to the concepts of crystal systems, morphology, Herman-Mauguin symbols, Bravais lattice, unit cells, Miller indices, and X-ray diffraction. For non-geology majors.

406-L. **Fundamentals of Crystallography Laboratory.** 1 hr. Corequisite: GLY 406.

407. **Principles of X-ray Diffraction.** 1 hr. Prerequisites: GLY 301, 406, or permission of instructor. Introduction to principles, analytical techniques, and precautions involved in X-ray diffraction instrumentation.

407-L. **Principles of X-ray Diffraction Laboratory.** 1 hr. Corequisite: GLY 407.

410. **Elements of Geochemistry.** 3 hrs. Prerequisite: GLY 304. Chemical principles governing the formation of minerals and rocks and their reactions with the lithosphere, hydrosphere, atmosphere, and biosphere.

411. **Applied Groundwater Geochemistry.** 3 hrs. Prerequisites: GLY 410, GLY 476 recommended. Design and implementation of groundwater geochemistry monitoring programs for hydrogeological site assessment.

420. **Applied Geophysics I.** 2 hrs. Prerequisites: GLY 308, PHY 201 or consent of instructor. Introduction to seismic methods used in hydrocarbon and mineral exploration.

420-L. **Applied Geophysics I Laboratory.** 1 hr. Corequisite: GLY 420. Introductory exercises in seismic computation and interpretation.

421. **Applied Geophysics II.** 2 hrs. Prerequisites: GLY 308, PHY 201 or consent of instructor. Introduction to gravity, magnetic, and electrical methods used in hydrocarbon and mineral exploration.

421-L. **Applied Geophysics II Laboratory.** 1 hr. Corequisite: GLY 421. Introductory exercises in computation and interpretation of gravity, magnetic, and electrical fields.

422. **Geophysical Well-Logging.** 2 hrs. Prerequisites: GLY 101, MAT 103, PHY 201. Pre- or Corequisite: GLY 405. Principles of obtaining data from bore hole instruments, and geological interpretation of data.

422-L. **Geophysical Well-Logging Laboratory.** 1 hr. Corequisite: GLY 422.

430. **Principles of Geology for Science Teachers.** 3 hrs. Prerequisite: Permission of instructor. Principles of physical and historical geology for teachers. Not applicable to geology degree.

430-L. **Principles of Geology for Science Teachers Laboratory.** 3 hrs. Corequisite: GLY 430.

443. **Calcareous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of carbonate microfossils.

443-L. **Calcareous Micropaleontology Laboratory.** 1 hr. Corequisite: GLY 443.

444. **Siliceous Micropaleontology.** 3 hrs. Prerequisite: GLY 341. Taxonomy, morphology, and stratigraphic use of siliceous and organic-walled microfossils.

444-L. **Siliceous Micropaleontology Laboratory.** 1 hr. Corequisite: GLY 444.

450. **Geological Marine Science.** 3 hrs. Pre- or Corequisite: GLY 405, or consent of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments. (Same as MAR 481)

450-L. **Geological Marine Science Laboratory.** 1 hr. Corequisite: GLY 450. (Same as MAR 481-L)

465. **Engineering Geology.** 3 hrs. Prerequisite: GLY 308 or permission of instructor. The integration of geologic and engineering principles and their application in the evaluation and utilization of Earth resources and the mitigation of natural and human-induced hazards.

470. **Petroleum Geology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. The origin, occurrence, and accumulation of oil and natural gas.

470-L. **Petroleum Geology Laboratory.** 1 hr. Corequisite: GLY 470.

474. **Geological Excursion.** 1 hr. Field studies of geological phenomena in areas remote from the campus.

476. **Hydrology.** 3 hrs. Pre- or Corequisite: GLY 401 or permission of instructor. An introduction to the origin, distribution, movement, and properties of the waters of the earth.

487. **Industrial Rocks and Minerals.** 3 hrs. Prerequisite: Permission of instructor. Nature and formation of industrial rock and mineral deposits.

492. **Special Problems in Geology I, II, III.** 1-3 hrs. Prerequisites: Senior standing and permission of the chairman. Independent study or research.

498. **Senior Thesis.** 3 hrs. Prerequisite: Permission of Department. Formal presentation and publication of supervised research for students with senior standing. Degree requirement for McCarty Scholarship awardees.

HISTORY (HIS—272)

PS 420, 421, and 425 may be selected as history if approved by the student's adviser.

No more than six (6) hours of these courses may be counted as history credit.

101. **World Civilization to 1648 A.D.** 3 hrs. (CC 1113, 1143, 1163)

102. **World Civilization Since 1648 A.D.** 3 hrs. (CC 1123, 1153, 1173)

140. **United States to 1877.** 3 hrs. (CC 2213, 2243)

141. **United States Since 1877.** 3 hrs. (CC 2223, 2253)

303. **Studies in Non-Western History.** 3 hrs. May be repeated for a total of nine hours.

305. **Survey of the Far East.** A historical study of the countries of East Asia in the 19th and 20th centuries.

310. **The Classical World.** 3 hrs.

311. **The Middle Ages.** 3 hrs.

312. **The Rise of Christianity and the Roman Empire.** 3 hrs. A study of the emergence of Christianity as an intellectual, religious, and political force in late antiquity and the early Middle Ages.

313. **Early English History.** 3 hrs.

314. **Modern British History.** 3 hrs.

340. **Afro-American History.** 3 hrs. A chronologically arranged survey of the black political, social, economic, and intellectual experience in slavery and freedom, with emphasis on protest thought and deed.

341. **Mississippi History.** 3 hrs. A survey of Mississippi's economic, social, and political development from seventeenth century European settlement to the present.

342. **U.S. Military History.** 3 hrs. A survey of American military history.

344. **Studies in United States History.** 3 hrs. May be repeated for a total of nine hours.

345. **Introduction to Historical Methodology.** 3 hrs. A basic course to acquaint the student with the theory and practice of historical study.

383. **Survey of Latin American History.** 3 hrs. A study of Latin American history from the conquest to the present with an emphasis on social, economic, and cultural developments.

401. **Intellectual and Cultural History of the USA.** 3 hrs. A survey of philosophy, social thought and cultural developments from the 17th century to the present.

403. **Modern China.** Survey of the historical processes that have transformed China into a modern Marxist society.

405. **Modern Japan.** Analyzes the reasons why Japanese society has successfully adapted to and adopted cultural, economic, and political systems of the modern West.

406. **History of the German Lands Since 1815.** 3 hrs. This course covers the broad lines of political and social development in the German-speaking regions from the early 19th c. to reunification in 1990.

408. **Renaissance Europe 1348-1500.** 3 hrs. This course will examine the social, political, and intellectual changes emerging in Europe after the Black Death.

409. **Themes in the Non-Western World.** 3 hrs. An analysis of economic, political, social, and cultural issues which have shaped relations between the Western and non-Western worlds.

410. **Themes in World History 1, 2, 3.** 3-9 hrs. Course designed for elementary and secondary school teachers to enhance their world history teaching skills. Course will not fulfill undergraduate history requirements.

411. **Modern Russia and the Soviet Union: 1861-1991.** 3 hrs. An introduction to the history of modern Russia and the Soviet Union from the Great Emancipator to the August 1991 coup.

412. **English Constitutional and Legal History.** 3 hrs. Emphasis on the main trends in the evolution of the modern common law system and the contemporary constitution.

413. **Medieval Life and Thought.** 3 hrs.

414. **Nazi Germany.** 3 hrs. A survey of the political, diplomatic, economic, and social developments in Germany from 1919 through 1945.

415. **French Revolution and Napoleon.** 3 hrs. A study of Revolutionary and Napoleonic France and its impact on Europe.

416. **Europe 1815-1870.** 3 hrs. A survey of early nineteenth century Europe, with emphasis on nationalism and the quest for reform.

417. **Europe 1870-1914.** 3 hrs. A survey of late nineteenth and early twentieth century Europe with emphasis on the growth of democracy, the expansion of empires, and the origin of World War I.

418. **Europe 1914-1939.** 3 hrs.

419. **Europe Since 1945.** 3 hrs. A survey of European history since the end of World War II, covering such key developments as economic reconstruction, the Cold War, NATO, and the Common Market.

420. **France, 1815-Present.** 3 hrs. A survey of French history after Napoleon emphasizing the evolution of political and social structures.

421. **Tudor-Stuart Britain.** 3 hrs.

422. **Reformation Europe 1500-1650.** 3 hrs. This course will examine the setting, events, and implications of the religious Reformation in European history.

423. **Science and Society: From Copernicus to the Bomb.** 3 hrs. An interdisciplinary course designed for both science and liberal arts students. Traces the development of science and technology and their role in society from the Renaissance to the present. (Cross-listed as BSC 423, HUM 423.)

424. **Intellectual and Cultural History of Modern Europe.** 3 hrs. Philosophy, social thought, and the arts from the Enlightenment to the present.

425. **War and Science in Modern History.** 3 hrs. An examination of the relationship between science and warfare from the 18th c. to the present.

426. **Topics in British Commonwealth History.** 3 hrs. The British Commonwealth from its mid-nineteenth century origins to the present. Will focus on Canada and various other Commonwealth nations.

427. **Family and Society in Medieval and Early Modern Europe.** 3 hrs. This course will study continuity and change in the family from cc. 1150 to 1650. Some topics considered will be the structure of the family, the role of women, misogyny, and sexuality.

428. **United States Relations with East Asia.** The attempts to explain the dynamic interactions between the United States and China and Japan over the past 200 years.

429. **Eastern Europe in the 20th Century.** 3 hrs. This course introduces students to the diversity of social, political, and cultural experience in the regions of East-Central Europe.

430. **Exploration and Discovery.** 3 hrs. Examination of factors contributing to European exploration from the Renaissance to 19th c.

431. **History of Socialism in the West.** 3 hrs. This course explores in some detail the historical evolution and meaning of socialism as a theoretical idea and a grass roots social and political movement.

432. **Studies in European History.** 3 hrs.

433. **The Age of the Enlightenment.** 3 hrs. A survey of the political, social, and cultural history of Europe from the Age of Absolutism to the French Revolution.

434. **History of Nationalism: Theories and Movements.** 3 hrs. This course is intended to give students a closer awareness and understanding of nationalism in the history of the 19th and 20th centuries.

435. **Social History of Victorian Britain.** 3 hrs. This course explores the changing social conditions during the 70 year period of the Victorian era, including Victorian values, the position of women and children, popular protest, and trade unionism.

436. **Topics in Early Modern European History.** 3 hrs. This course will examine various topics in late medieval and early modern European history.

437. **World War I.** 3 hrs. An exploration of the causes, conduct, and consequences of World War I.

438. **World War II.** 3 hrs. A study of causes, conduct, and consequences of World War II.

439. **Revolution, Reaction, and Fascism in Southern Europe.** 3 hrs. A political, social, and cultural history of Spain, Italy, and Portugal during the nineteenth and twentieth centuries.

440. **The Age of Jefferson and Jackson.** 3 hrs. A study of political, social, and cultural changes in the United States from 1789-1848.

441. **The Colonial South.** 3 hrs. Explores the interaction of Indian, European, and African people in the Colonial South from about 1500 to 1800.

442. **The Old South.** 3 hrs. The social, economic, and cultural history of the antebellum South with particular emphasis on the plantation system and slavery.

443. **The New South.** 3 hrs. An analysis of the peculiarities of the South's social, economic, political, and intellectual development from 1877 to the present. Emphasis is placed on those factors making the South distinctive in American history.

444. **Women in American Society.** 3 hrs. A survey of the experience of American women from the colonial period to the present with emphasis on the evolution of woman's role in society in response to changing economic and social conditions.

445. **Racial Thought in the Western World.** 3 hrs. A comparative history of racial thought in Western society from the late Middle Ages through the modern period.

446. **U.S. Foreign Relations.** 3 hrs. A history of U.S. foreign relations with particular emphasis on Manifest Destiny, the New Imperialism, the diplomacy of World War I, the events leading to World War II, World War II, and the Cold War.

447. **Colonial America.** 3 hrs. Development of social, political, economic, and religious life in the English colonies of North America to 1763.

448. **The American Revolution.** 3 hrs. A discussion course concerning the dispute between Great Britain and her American colonies which led to the development of a new nation.

450. **The Southern Frontier.** 3 hrs. Examines through lectures and discussions pioneer and Indian life in Mississippi, Alabama, Louisiana, Tennessee and Georgia.

451. **The Western Frontier.** 3 hrs. Examines the significance of frontier types west of the Mississippi including explorers, mountain men, cowboys, farmers, miners, railroaders, and Indians.

452. **The Sectional Controversy and the Civil War, 1848-1877.** 3 hrs. An examination of sectional conflict, Civil War, and Reconstruction with primary emphasis on political and military history.

.453. **Modern America, 1877-1919.** 3 hrs. A survey of political, economic, diplomatic, and social developments in the United States from the close of the Civil War through the end of World War I.

454. **Twentieth Century America, 1919-1945.** 3 hrs. A detailed examination of the social, intellectual, political, diplomatic, and economic history of the interwar years.

455. **The Vietnam War.** 3 hrs. A discussion of military, social, political, and cultural consequences of the war.

458. **Our Times.** 3 hrs. A detailed examination of social, intellectual, political, diplomatic, and economic history since World War II.

460. **Studies in Civil Rights.** 3 hrs. Prerequisite: HIS 340.

480. **History of Mexico and the Caribbean.** 3 hrs.

483. **Studies in South American History.** 3 hrs. Content varies in response to student interests. May be repeated for a total of six hours.

488. **Methods of Teaching Social Studies.** 3 hrs. Methods of lesson planning, preparing materials, teaching, and testing in secondary social studies courses. Not to be counted toward 36 hour major requirement in History.

489. **Austrian Studies.** 3-6 hrs. Variable topics in Central European History.

490. **Student Teaching—Social Studies.** 7 hrs.

491. **Student Teaching in—Social Studies.** 7 hrs.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in HIS H492.)

499. **British Studies: Seminar in European Studies.** 3-6 hrs. Lecture series and research in European studies offered abroad under auspices of institute of Anglo-American Studies.

HOME ECONOMICS EDUCATION (HEE—820)

201. **Introduction to Home Economics.** 3 hrs. Prerequisite: Sophomore standing. Organization and operation of vocational home economics programs and other home economics teaching professions; exploration of unique resources, skills, and responsibilities of home economists in education, business, and industry; field experiences provided.

301. **Communication Skills for Professionals.** 3 hrs. Prerequisite: Basic Core (VHEE) or Junior standing (HEIB). Planning and organizing the home economics curriculum; use of various instructional strategies; managing the learning environment.

401. **Family Life Education.** 3 hrs. Prerequisite: 3 hrs. in Family Studies. General philosophy and broad principles of family life education with emphasis on planning, implementing, and evaluating such educational programs. (Prerequisite: 3 hrs. in Family Studies.)

404. **Consumer Economics.** 3 hrs. Study of how consumers, business, and government interact in the exchange of goods and services in the marketplace.

409. **Occupational Home Economics.** 3 hrs. Developing and evaluating teaching units for home economics-related occupational programs.

412. **Supervised Field Experience in Home Economics Related Occupations.** 6 hrs. Preparation for Mississippi Certification in Occupational Home Economics; supervised work experience is required.

490. **Student Teaching in Junior or Middle School Home Economics.** 7 hrs. Prerequisite: HEE 301 with grade no lower than B and permission of instructor. Supervised field-based internship in junior high school or middle school Home Economics instruction.

491. **Student Teaching in Senior High School Home Economics.** 7 hrs. Prerequisite: HEE 301 with grade no lower than B and permission of instructor. Supervised field-based internship in senior high school Home Economics instruction.

492. **Special Problems.** 1-4 hrs. Arr. (Students undertaking a Seniors Honor Project will enroll in HEE H492.)

HONORS COLLEGE (HON—000)

101. **Leadership Orientation.** 1 hr. The course will introduce students to Honors education and offer an overview of opportunities at the University for developing one's skills as a leader.

111. **Honors Colloquium.** 4 hrs. World thought and culture.

112. **Honors Colloquium.** 4 hrs. Continuation of HON 111.

211. **Honors Colloquium.** 3 hrs. Continuation of HON 112.

212. **Honors Colloquium.** 3 hrs. Continuation of HON 211.

301. **Prospectus Writing.** 1 hr. Introductory research methods for Honors students. Pass/Fail.

321. **University Forum.** 1 hr. A presentation of major themes in humanities, science, and social science. This course may be repeated for up to 8 hours of credit.

322. **University Forum.** 1 hr. Continuation of HON 321.

391. **Exchange Semester or Year Abroad.** 15-36 hrs.

403. **Honors Seminar.** 3 hrs. Topical seminars on a wide range of subjects. Repeatable as topics vary up to 12 hrs.

411. **Honors Directed Study.** 3 hrs. Independent study for Honors students.

492. **Honors Research.** 1-3 hrs. Senior project.

499. **British Studies.** 3-6 hrs.

Special Honors sections are also offered by many departments.

HOTEL, RESTAURANT AND TOURISM MANAGEMENT (HRT—818)

100. **Introduction to Hospitality and Tourism.** 3 hrs. An introduction to the main segments of the hospitality and tourism industry, providing a general understanding of their key functions, interactions, and corresponding career opportunities.

179. **Introduction to Hotel, Restaurant, and Tourism Management.** 1 hr. An introductory course in the lodging, food service, and tourism industries.

272. **Principles of Food Preparation.** 2 hrs. Study of theories and techniques of food preparation and their effects on food products.

272-L. **Principles of Food Preparation Laboratory.** 1 hr. Corequisite: HRT 272.

279. **Practicum in Hotel, Restaurant, and Tourism Management.** 2 hrs. Prerequisites: HRT 100 and permission of the faculty. Field experience in a hotel, restaurant, or tourism related work setting.

340. **Quantity Food Production and Service.** 3 hrs. Prerequisites: HRT 272, 272-L. Corequisite: HRT 340L. Principles of quantity food production, purchasing, and service.

340-L. **Quantity Food Production and Service Laboratory.** 2 hrs. Corequisite: HRT 340.

342. **Human Resource Training and Development in Food Service Systems.** 3 hrs. Prerequisites: HRT 100 and MGT 300. Exploration of theories related to staffing and developing personnel for food service operations. Emphasis on training techniques for the food service industry.

370. **Catering.** 3 hrs. Prerequisites: HRT 272, 272-L and permission of instructor. Principles, techniques and implementation of special functions in food service. Includes laboratory.

375. **Beverage Management.** 3 hrs. Basic principles and procedures of effective beverage selection, control, and management.

376. **Front Office Administration for Lodging Facilities.** 3 hrs. Prerequisite HRT 100. Organization, management, and operating procedures of the front office in lodging facilities.

380. **Hospitality Industry Accounting.** 3 hrs. Prerequisite: HRT 100 and ACC 200. Managerial accounting principles applied to the hospitality industry.

440. **Food Service Management.** 3 hrs. Prerequisites: Junior standing and HRT 340, 340-L and MGT 300. Corequisite: HRT 440L. A study of management of food service systems and interrelationships of components of these systems.

440-L. **Food Service Management Laboratory.** 2 hrs. Corequisite: HRT 440.

441. **Purchasing in the Hospitality Industry.** 3 hrs. Prerequisite: Junior standing and HRT 440. Procurement of food and non-food materials in hospitality and related industries.

442. **Food Service Layout and Design.** 3 hrs. Prerequisites: HRT 340, 340-L. Planning, designing, and layout of food service facilities with emphasis with emphasis on arrangement and selection of equipment.

445. **Hospitality Financial Management.** 3 hrs. Prerequisite: HRT 380. Study of financial statement analysis, capital expenditures and franchising in the hospitality industry.

478. **Seminar in Hotel, Restaurant, and Tourism Management.** 1-6 hrs. Arr. Prerequisite: Permission of faculty. Discussion and analysis of principles, trends, and practices in the industry.

479. **Internship in Lodging, Food Service, and Tourism.** 4-9 hrs. Arr. Prerequisites: HRT 279, HRT 445, HRT 482, an overall GPA of 2.0, senior status and permission of faculty. Supervised experience in a lodging, tourism, and/or food service management industry setting.

481. **Legal Aspects of the Hospitality Industry.** 3 hrs. Prerequisite: HRT 100. Origin, development, and principles of common and statutory law as it applies to the hospitality industry.

482. **Marketing of Hospitality and Travel Services.** 3 hrs. Prerequisite: HRT 100 and MKT 300. Analysis of the planning, developing, and marketing of food, lodging, and travel services.

483. **Dimensions of Tourism.** 3 hrs. Prerequisite: HRT 100. Study of the components and forces which influence the international and domestic hospitality and travel industries.

484. **Lodging and Food Service Properties Management.** 3 hrs. Prerequisite: HRT 100. Engineering, maintenance, and security systems for lodging and food service operations.

485. **Convention and Exposition Management.** 3 hrs. Prerequisite: HRT 100. Planning, promotion, and management of meetings, conventions, and expositions.

490. **International Studies in Hotel, Restaurant, and Tourism Management.** 3-6 hrs. Arr. Examination of hospitality, tourism, and food service industry via international lectures and field trips.

492. **Special Problems in Hotel and Restaurant Management.** 1-6 hrs. (Students undertaking a Seniors Honor Project will enroll in HRT H492.)

494. **Tourism Destination Development.** 3 hrs. Prerequisite: HRT 483. Study of community impacts—positive and adverse—of different tourism enterprises. Special emphasis on festivals and community events.

HUMAN PERFORMANCE AND RECREATION (HPR-705)

100. **Aerobics.** 1hr. Theoretical bases and laboratory experiences in rhythmical activities for cardiovascular development.

101. **Weight Training.** 1hr. Theoretical bases and laboratory experiences in development of muscular strength, flexibility, and cardiovascular endurance.

102. **Fitness Walking.** 1hr. Theoretical bases and laboratory experiences in the development of cardiovascular fitness through walking techniques.

105. **Concepts in Physical Fitness.** 1hr. The course is designed to develop understanding in the conceptual knowledge of health and fitness in the development and maintenance of human wellness. (CC 1591, 1592)

119. **Beginning Volleyball.** 1hr. Theoretical concepts and laboratory experience in development of fundamental volleyball skill techniques and game strategies.

130. **Racquetball.** 1hr. Theoretical concepts and laboratory experience in development of fundamental racquetball skill techniques and game strategies.

131. **Fencing.** 1hr. Theoretical concepts and laboratory experience in development of fundamental fencing skill techniques and competitive strategies.

132. **Beginning Badminton.** 1hr. Theoretical concepts and laboratory experience in development of fundamental badminton skill techniques and game strategies.

133. **Beginning Archery.** 1hr. Theoretical concepts and laboratory experience in development of fundamental archery skill techniques and competitive strategies.

134. **Beginning Golf.** 1hr. Theoretical concepts and laboratory experience in development of fundamental golf skill techniques and competitive strategies.

135. **Beginning Yoga.** 1hr. Theoretical concepts and laboratory experience in development of strength and flexibility through yoga exercise.

+136. **Bowling.** 1hr. Theoretical concepts and laboratory experience in development of fundamental bowling skill techniques and competitive strategies.

140. **Bicycling.** 1hr. Theoretical concepts and laboratory experience in development of skill techniques and training in bicycling.

141. **Beginning Tennis.** 1hr. Theoretical concepts and laboratory experience in development of fundamental tennis skill techniques and competitive strategies.

146. **Developmental Skills.** 1hr. Human Performance, Coaching and Sports Administration, or Recreation majors or minors only. Activities include golf, archery, volleyball.

147. **Developmental Skills.** 1hr. Human Performance, Coaching and Sports Administration, or Recreation majors or minors only. Activities include tennis, racquet sports, and soccer.

148. **Developmental Skills.** 1hr. Human Performance, Coaching and Sports Administration, or Recreation majors or minors only. Activities include aerobics, weight training, aquatics.

160. **Beginning Swimming.** 1hr. Theoretical bases and laboratory experiences in fundamental swimming techniques and assistive rescue skills.

163. **Aquatic Aerobics.** 1hr. Theoretical bases and laboratory experiences in physical conditioning techniques in the aquatic environment.

170. **Beginning Karate.** 1hr. Theoretical concepts and laboratory experiences in development of fundamental karate/self defense skill techniques.

+171. **Western Horsemanship.** 1hr. Theoretical concepts and laboratory experience in development of basic western saddle riding techniques.

+172. **Introduction to Horseshowing.** 1hr. Theoretical concepts and laboratory experience in basic techniques of presentation of horses for show competition.

+173. **English Horsemanship.** 1hr. Theoretical concepts and laboratory experience in development of fundamental English saddle riding techniques.

+174. **Introduction to Horse Training.** 1hr. Fundamental concepts and hands-on experience with horse training techniques.

+180. **Skeet and Trap Shooting.** 1hr. Theoretical concepts and laboratory experience in development of skeet and trap shooting techniques. Hunter safety emphasis.

181. **Beginning Social Dance.** 1hr. Basic rhythmical concepts of social dance introduced. Emphasis on development of popular ballroom techniques.

183. **Pioneering.** 1hr. Orienteering and conservation skills in a recreational outdoor environment.

184. **Canoeing.** 1hr. Theoretical concepts and laboratory experience in development of fundamental canoeing techniques. Boat trip safety emphasized.

185. **Family Camping.** 1hr. Outdoor camping skills.

186. **Freshwater Fishing.** 1hr. Basic techniques of freshwater fishing.

187. **Saltwater Fishing.** 1hr. Basic techniques of saltwater fishing.

188. **Square Dance.** 1hr. Basic rhythmical concepts of American Square Dance with laboratory emphasis in skill/pattern practice.

200. **Leisure and Recreation in Society.** 3hrs. A study of the evolution of leisure service programs.

201. **Leisure Skills Development.** 3hrs. Methods and materials for selected lifetime leisure skills.

209. **Varsity Athletics.** 1hr. Enrollment contingent upon current participation on a recognized varsity athletic team. Pass/fail basis only. Course may be repeated. Permission of Director of the School required.

210. **Practicum.** 1hr. Pre-internship field experience in the area of specialization. May be repeated three times. HPR majors only.

219. **Organization and Management of Athletic Training Programs.** 2hrs. Introduction to procedural aspects of athletic training room operation. Introduction to role delineations of an athletic trainer.

220. **Introduction to Human Performance.** 3hrs. Survey of the historical and philosophical foundations of physical education and sport. Contemporary issues discussed.

234. **Intermediate Golf.** 1hr. Golf techniques, game strategies, etc. for the more experienced player.

241. **Intermediate Tennis.** 1hr. Tennis techniques and development of game strategies for the more experienced player.

270. **Intermediate Karate.** 1hr. Advanced self-defense techniques and development of basic Karate competition strategies.

274. **Taping and Wrapping of Athletic Injuries.** 2hrs. Practical taping and wrapping experiences consisting of observation and actual taping of all types of athletic injuries.

284. **Creative Rhythms.** 3hrs. Skills in basic fundamental patterns, ethnic dance. Emphasis on instructional strategies in teaching rhythmical activities. HPR majors or minors only.

+300. **Recreational SCUBA.** 2hrs. Diving skill/knowledge instruction for individuals wishing to be certified to dive recreationally.

301. **Kinesiology.** 3hrs. Analysis of the structural/functional aspects of human movement. HPR 301L must be taken concurrently.

301-L. **Kinesiology Laboratory.** 1hr. To be taken concurrently with HPR 301.

302. **Techniques for Evaluating Fitness.** 3hrs. This course provides the student with the necessary cognitive skills and appropriate lab experiences to evaluate fitness in a systematic and safe manner.

303. **Evaluation in Human Performance and Recreation.** 3hrs. Administration and interpretation of evaluative techniques in human performance and recreation.

304. **Nutrition and Human Performance.** 3hrs. The analysis and synthesis of available literature relative to nutrition and human performance.

305. **Adventure Training.** 2hrs. To develop student proficiency in land and water navigation, outdoor skills, and cooperative problem solving.

306. **Sport Pedagogy.** 3hrs. Pedagogical techniques of motor skill acquisition in competitive sport settings. HPR major or minors only.

307. **Organization and Administration of High School Athletics.** 3hrs. The organizational and administrative procedures of major and minor sports programs.

308. **Exercise Physiology.** 3hrs. A study of the physiological changes which occur in the body during muscular activity. HPR 308L must be taken concurrently.

308L. **Exercise Physiology Laboratory.** 1hr. To be taken concurrently with HPR308.

309. **First Aid.** 2hrs. Basic First Aid, Infant, Child and Adult CPR as approved by the American Red Cross. Meets O.S.H.A. minimum requirements.

311. **Emergency Health Care.** 3hrs. Advanced First Aid and CPR with study toward instructor rating with the American Red Cross. Meets O.S.H.A. minimum requirements. HPR 311L must be taken concurrently.

311-L. **Emergency Health Care Laboratory.** 1 hr. To be taken concurrently with HPR 311. Includes Instructor Rating Certification in Community First Aid and Safety for the American Red Cross.

314. **Instructional Techniques in Team Sports.** 3hrs. Instructional decision-making process specific to basketball, soccer, speedball, volleyball, and other selected team sports. Physical education major or minors only.

320. **Preschool and Primary School Physical Education.** 3hrs. An introduction to objectives, methods, and curriculum content of physical education for young children. Physical Education or Elementary Education majors only.

321. **Elementary and Middle School Physical Education.** 3hrs. Philosophy, objectives, methods, and curriculum of upper elementary and middle school physical education.

322. **Recreation Program Planning.** 3hrs. Prerequisite or Corequisite: HPR 200. Procedures and methods in planning and organizing a comprehensive recreation program.

323. **Recreation Leadership.** 3hrs. Prerequisite or Corequisite: HPR 200. Methods, techniques, and materials for directing individuals in group activities.

324. **Coaching Football.** 3hrs. Prerequisite or Corequisite: HPR 306. The study of individual techniques, game fundamentals, and strategies used in coaching football. HPR majors or minors only.

325. **Coaching Basketball.** 3hrs. Prerequisite or Corequisite: HPR 306. Fundamentals of coaching basketball techniques, game strategies, and scouting. HPR majors or minors only.

326. **Instructional Techniques in Individual and Dual Sports.** 3hrs. Instructional decision-making process specific to racquet sports, golf, and other selected individual and dual sports. Physical Education majors or minors only.

327. **Coaching Volleyball.** 2hrs. Prerequisite or Corequisite: HPR 306. Fundamentals of coaching volleyball as it relates to the selection of personnel, skill techniques, and training. HPR majors or minors only.

340. **Coaching Golf.** 2hrs. Prerequisite or Corequisite: HPR 306. Theoretical and practical approach to golf instruction. Course planning and maintenance, rules and etiquette, and tournament administration. HPR majors or minors only.

341. **Coaching Tennis.** 2hrs. Prerequisite or Corequisite: HPR 306. Techniques of coaching tennis. Construction and maintenance of tennis courts. Organization and administration of a tennis program. HPR majors or minors only.

344. **Commercial Recreation.** 3hrs. An overview of the knowledge, skills, and values inherent to successful commercial leisure service organizations.

345. **Camp Counseling, Administrative, and Operation.** 3hrs. Objectives, activities, and administration policies of organized camps.

350. **Introduction to Therapeutic Recreation.** 3hrs. Introduction to handicapped populations and the delivery of therapeutic recreation to meet individual needs.

350-L. **Introduction to Therapeutic Recreation Laboratory.** 1hr. To be taken concurrently with HPR 350.

351. **Community Recreation Services for People with Disabilities.** 3hrs. Foundations and principles of community leisure service integration for persons with disability.

360. **The Organization and Administration of Aquatics.** 3hrs. Community and school swimming programs, pool operation, maintenance, and sanitation.

361. **Swimming for the Disabled.** 1hr. The development of techniques and activities in teaching the disabled to swim.

362. **Coaching Swimming and Diving.** 2hrs. Prerequisite or Corequisite: HPR 306. Fundamentals of coaching aquatic sport events, techniques, practice routines, and training.

363. **Emergency Water Safety.** 2hrs. Prerequisite: Proficiency in swimming. American Red Cross Emergency Water Safety Certification awarded upon completion.

364. **Lifeguard Training.** 3hrs. Lifeguard techniques for pool, beach, waterfront. ARC Lifeguard Training Certification.

365. **Lifeguard Training Instructor.** 2hrs. Corequisite: HPR 364 or instructor approval. Teaching lifeguard techniques. ARC Lifeguard Training Instructor Certification.

366. **Theory of Teaching Swimming and Diving.** 2hrs. Organization and administration of the community swimming program.

370. **Prevention and Care of Athletic Injuries.** 3hrs. Prerequisite: BSC 250. Theory and practice for the prospective trainer and coach.

372. **Athletic Therapy Modalities.** 2hrs. Prerequisite: HPR 370. The theory and operation of the most commonly used therapeutic devices of the training room. HPR 372L must be taken concurrently.

372-L. **Athletic Therapy Modalities Laboratory.** 1hr. Must be taken concurrently with HPR 372.

374. **Evaluation Techniques of Athletic Injuries I.** 3hrs. Prerequisites: BSC 250 and HPR 370. A specialized course dealing with anatomy, injury symptoms, and specific tests to help make preliminary evaluation of injuries.

375. **Evaluation Techniques of Athletic Injuries II.** 3hrs. Prerequisites: BSC 250 and HPR 370. A specialized course in initial clinical evaluation of athletic injuries, emergency care procedures, and training room administration.

378. **Rehabilitation of Sports Injuries.** 2hrs. Prerequisites: BSC 250 and HPR 370. The objectives and principles used to restore injured athletes to their pre-injury level of fitness, including proper use of equipment, exercise, and flexibility.

378-L. **Rehabilitation of Sports Injuries Laboratory.** 1hr. Practical experience in the objectives and principles used to restore athletes to pre-injury level of fitness. Must be taken concurrently with HPR 378.

+380. **Advanced SCUBA.** 2hrs. Prerequisite: HPR 300. An opportunity to gain safe enjoyable experiences using advanced diving skills under controlled conditions.

390. **Recreational Sport Programming.** 3hrs. Study of sport programming in recreational settings with attention on organization, management, and problems associated with sports programs.

400. **Seminar in Recreation.** 1hr. Must only be taken within two semesters of Internship. A senior seminar course designed to examine pertinent issues and current practices in recreation.

401. **Corrective and Adaptive Physical Education.** 3hrs. Recognition of and corrective exercises for functional abnormalities. Adapted techniques in instructional settings. HPR major or minors only.

403. **Coaching the Female Athlete.** 3 hrs. An analysis and evaluation of the strategies, theories, and research methods that dominate the scientific study of women in sport and practical applications.

404. **Motor Development.** 3hrs. A study of the motor aspects of the total human growth and development process.

405. **Governing Agencies for Competitive Athletics.** 3hrs. An in-depth study of the government agencies related to the administration and control of athletic competition.

406. **Physiology of Aging.** 3hrs. This course will provide a basic scientific rationale for the development and maintenance of health fitness, focusing upon persons past 50.

407. **Competitive Sports for Youth.** 3hrs. An analysis of the organization, administration, and effects of children's participation in sport.

408. **Clinical Exercise Physiology.** 3hrs. Prerequisite: HPR 308, 308L. Exercise prescription for special populations with concerns for coronary heart disease, hypertension, renal disorders, etc.

409. **Psychological and Sociological Aspects of Human Performance.** 3hrs. The analysis and study of human behavior patterns as they relate to sport-related performance.

410. **Sport Promotion and Fund Raising.** 3 hrs. Prerequisite: MKT 300. An analysis of sport promotion processes, consumer behavior, and principles of athletic fund raising.

411. **Adapted Activities and Techniques for Therapeutic Recreation.** 3hrs. Techniques of adapting recreational activities, equipment, and facilities for persons with disabilities.

413. **Organization and Administration of Recreation.** 3hrs. Prerequisite or Corequisite: HPR 322, 323. Designed to study the organization and administration of recreation agencies and their policies.

415. **Business Procedures for Parks and Recreation.** 3hrs. Prerequisite: MIS 201, 202. A study of specific business procedures and administrative policies.

417. **Legal Aspects of Recreation and Leisure Services.** 3hrs. Prerequisite or Corequisite: HPR 322, 323. Legal issues related to leisure service management, including legal foundations, legal liability, land use policy, employment regulations, disabled services, and current issues.

420. **Practicum.** 2-10 hrs. May be repeated for a total ten hours. Supervised field or clinical based experience in area of specialization. HPR majors only.

421. **Motor Learning and Control.** 3hrs. Prerequisite: HPR 301, 301L. The study of sensory-perceptual, and motor processes and factors which influence the acquisition and control of motor skills.

422. **Exercise Leadership.** 3hrs. Prerequisite: HPR 308, 308L. Application of the principles of exercise leadership and prescription, fitness program development and implementation.

423. **Biomechanics.** 3hrs. Prerequisite: HPR 301. The study of anatomic, mechanical, and neurophysiological factors influencing human motion.

424. **Community Recreation Resources, Services, and Organizations.** 3hrs. Prerequisite or Corequisite: HPR 322, 323. A study of the varied agencies which provide community recreation services and the operation of specialized recreation facilities.

425. **Field Experience in Officiating Competitive Athletics.** 3hrs. Prerequisites: HPR 431. To provide an opportunity for practical experience in officiating competitive athletics.

426. **Program Design and Supervision in Physical Education.** 3hrs. Prerequisite: HPR 320. Physical Education majors or minor only. Program planning and implementation in school and non-school instructional settings.

427. **Coaching Track and Field.** 3hrs. Prerequisite or Corequisite: HPR 306. Study of coaching track and field including personnel selection, performance fundamentals, and training procedures. HPR majors or minors only.HPR major or minors only.

428. **Coaching Soccer.** 3hrs. Prerequisite or Corequisite: HPR 306. Fundamentals of coaching soccer as it relates to the selection of personnel, game strategies, and proper training procedures. HPR majors or minors only.

429. **Coaching Baseball.** 3hrs. Prerequisite or Corequisite: HPR 306. Techniques of coaching baseball. Emphasis placed on player selection and placement, team organization, and game strategy. HPR majors or minors only.

430. **Physiology of Stress and Exercise.** 3hrs. The psychophysiology of stress and exercise among adults engaged in fitness training.

431. **Techniques of Officiating Sports.** 3hrs. Personal skill development in techniques of officiating selected sports.

433. **Advanced Management in Recreation.** 3hrs. Prerequisite or Corequisite: HPR 413. A study of advanced policy and procedures in recreation programs and services.

434. **Facility Design and Maintenance.** 3hrs. The principles and applications of design and maintenance as it applies to indoor and outdoor sport and recreation facilities.

436. **Park and Recreation Planning.** 3hrs. Fundamental principles and methodologies dealing with proper identification, allocation, and use of resources.

436-L. **Park and Recreation Planning Laboratory.** 1hr. To be taken concurrently with HPR 436.

443. **Outdoor Education.** 3hrs. A study of outdoor education, specifically its philosophy, programs, methods, and resources. Organization, programming, and conducting of programs and activities in educational settings.

444. **Operational Administration of Commercial Recreation.** 3hrs. Prerequisite: HPR 344. Emphasizes appropriate management skills which are essential to the successful operation of a commercial recreation enterprise.

447. **Interpretation of Cultural and Natural Resources.** 3hrs. The interpretive process as applied to natural and cultural resources.

450. **Procedures in Therapeutic Recreation.** 3hrs. Prerequisite or Corequisite: HPR 451 or SPE 402. The history, theory, and process of leisure education for special populations.

451. **Therapeutic Recreation Programming.** 3hrs. Prerequisite: HPR 350 or SPE 402. The organization, programming, and conducting of programs and activities in institutions.

452. **Gerontology & Therapeutic Recreation.** 3hrs. An overview of the bio-psychosocial aspects of aging and the provision of recreation services for therapeutic recreation.

453. **Administration in Therapeutic Recreation.** 3hrs.. Administrative issues related to the delivery of activity therapy services in clinical and community-based settings.

460. **Water Safety Instructor's WSI.** 3hrs. Knowledge and skills beyond the scope of Emergency Water Safety and Lifeguard Training. American Red Cross Instructor certification awarded upon successful completion of course.

462. **Methods in Teaching Physical Education.** 3hrs. Prerequisite: HPR 314, 320, 326. Planning and implementation of effective physical education instructional strategies in secondary schools. Physical Education majors only.

464. **Issues in Commercial Recreation.** 3hrs. Prerequisite: HPR 344. Insight into issues that cause problems and lead to trends for the commercial recreation service industry.

468. **Sport Law.** 3hrs. Application of law principles to the sports industry. Primary emphasis on tort liability for sport administrators and teacher/coaches.

470. **Development of Strength and Conditioning Programs.** 3hrs. The development and administration of strength, endurance, flexibility, speed, and agility programs.

472-L. **Field Experience in Athletic Training.** 3hrs. Prerequisite: HPR 475. Practical experience dealing with problem situations in the athletic training setting.

475. **Medical Aspects of Athletic Training.** 3hrs. Prerequisite: HPR 374, 375, 378. Team physician and trainer relationships. Physical examination, emergency equipment, medical terminology, and problems related to the team doctor.

477. **Developmental Disabilities in Early Childhood.** 3hrs. Overview of contributing factors to atypical early development, identification, and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

479. **Seminar in Sports Medicine.** 1-3hrs. Prerequisite: HPR 475. A study of modern techniques used in sports medicine relevant to coaches, athletic trainers, and team physicians.

480. **Introduction to Driver Education.** 3hrs. Critical analysis of traffic accidents, attitude factors, essential knowledge of automobile operation and traffic law.

481. **Traffic Safety Education.** 3hrs. An in-depth study of the major traffic safety problems including driver, pedestrian, engineering, and enforcement.

482. **Laboratory Programs in Driver Education.** 3hrs. An examination of the aims, objectives, and role of laboratory programs in driver education.

483. **Methods of Driver and Traffic Safety Education.** 3hrs. Prerequisite: HPR480. Concurrent enrollment in HPR 483-L. Methods of teaching in driver education programs.

483-L. **Driver Education Laboratory.** 1hr. This course is designed to provide students with supervised practical experience. Concurrent enrollment in HPR 483.

484. **Simulation in Driver Education.** 3hrs. Prerequisites; HPR 480 and HPR483. Analysis of audiovisual instruction techniques used in driver education.

486. **Innovative Programs of Driver Education.** 3hrs. New and unique teaching methods of driver and traffic safety education.

488. **Motorcycle Safety Education.** 3hrs. Analysis of the motorcycle traffic problem; methods of teaching classroom and laboratory phases of motorcycle education.

489. **Driver Education for Special Students.** 3hrs. Curriculum development and teaching materials in traffic safety education for special education students.

490. **Student Teaching in Elementary Physical Education.** 7 hrs. Prerequisite: Admission to Student Teaching Program. Supervised field-based internship in elementary level physical education instruction. Physical Education majors only.

491. **Student Teaching in Secondary Physical Education.** 7 hrs. Prerequisite: Admission to Student Teaching Program. Supervised field-based internship in secondary level physical education instruction. Physical Education majors only.

492. **Special Problems.** 1-3 hrs. HPR majors or minors only.

493. **Exercise Specialist.** 3hrs. Cognitive and practical experience in GXT, interpretations, prescriptions, and supervision of exercise programs.

494. **Field Problems.** 1-6 hrs. Prerequisite: Permission of Director, School of HP&R. To be used to pursue specialized interests in Human Performance and Recreation.

495. **Internship.** 9 hrs. Prerequisite: Completion of all major requirements. Minimum 400 hour internship under the direct supervision of a field professional. HPR majors only.

497. **Professional Collaboration for Developmental Disability Services.** 3hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disables.** 3hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies.** 3-6 hrs. Involves variable topics. Lectures and supervised research in England. Offered exclusively through the USM Institute of Anglo-American Studies.

HUMANITIES (HUM—001)

214. **Modern Europe.** 3 hrs.

233. **Greek Literature and Culture.** 3 hrs. A study of masterworks by Homer, Plato, and Aristotle.

253. **Roman Literature and Culture.** 3 hrs. A study of major works, including the Aeneid, in their cultural and historical contexts.

280. **Ancient Egypt.** 3 hrs. An introduction to Pharaonic Egypt with emphases on the system of writing and language, literature, art, religion, and history.

310. **French Literature.** 3 hrs. A study of major prose works, primarily of the nineteenth century, in their cultural and historical contexts.

320. **German Literature.** 3 hrs. A study of selected major works, including Goethe's Faust, in their cultural and historical contexts.

354. **Medieval and Renaissance Humanism.** 3 hrs. A study of major works, including Augustine's City of God, in their cultural and historical contexts.

370. **Spanish Literature.** 3 hrs. A survey of the literature of Spain from 1140 to 1940.

408. **Renaissance Europe 1348-1500.** This course will examine the social, political and intellectual changes emerging in Europe after the Black Death. (Cross-listed as HIS 408.)

423. **Science and Society: From Copernicus to the Bomb.** 3 hrs. Cross-listed as HIS 423, BSC 423, and PHY 485.

433. **History of the Book.** 3 hrs. A study of the origins and early development of books and printing in Western Europe and the Americas. (Cross-listed as LS 433.)

437. **The Age of Enlightenment.** 3 hrs. A survey of the political, social, and cultural history of Europe from the age of absolutism to the French Revolution.

490. **Studies in European Humanities.** 3 hrs. A study of selected works in their cultural and historical contexts. Texts and topics vary.

495. **Proseminar in Humanities.** 1-2 hrs., repeatable to 3 hrs. Prerequisite: Assignment to a Humanities mentor. Supervised writing on an approved topic.

INDUSTRIAL ENGINEERING TECHNOLOGY (IET—395)

300. **Manufacturing Processes.** 2 hrs. Corequisite: IET 300L. Elementary manufacturing operations and their combination into manufacturing processes; general metals; and metal forming.

300-L. **Manufacturing Processes Laboratory.** 1 hr. Corequisite: IET 300.

302. **Industrial Quality Control.** 3 hrs. Prerequisite: CSS 211. The use of control charts, acceptance sampling, and tolerances to test and improve product quality. Basic reliability.

308. **Maintenance Engineering Technology.** 3 hrs. Corequisite: IET 308L. Problems associated with keeping an operating system at a highly productive level and maintaining buildings and grounds.

308-L. **Industrial Engineering Technology Laboratory.** 0 hr. Corequisite: IET 308.

310. **CNC Machining.** 2 hrs. Prerequisite: IET 300. CNC machining, equipment, principles, programming, operations, applications, and maintenance.

310-L. **CNC Machining Laboratory.** 1 hr. Corequisite: IET 310. CNC machining lab.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in area not covered by available courses.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Student required to complete project in his or her area of specialization.

401. **Senior Project.** 3 hrs. Continuation of IET 400.

405. **Production and Inventory Control Systems.** 3 hrs. Corequisite: IET 405L. Principles of production and inventory planning and control. Forecasting techniques, EOQ, MRP, production scheduling, line balancing, CPM/PERT.

405-L. **Industrial Engineering Technology Laboratory.** 0 hr. Corequisite: IET 405.

406. **Industrial Automation.** 3 hrs. Advanced study of automated machining processes; numerical control machining; programming; applications; and maintenance.

407. **Personnel in Technology.** 3 hrs. Concepts, principles, techniques, and programs essential to the employment, development, utilization and supervision of industrial personnel.

408. **Innovations in Technology.** 3 hrs. A survey of CAD/CAM systems and recent developments in the field. Computer integrated manufacturing, group technology, artificial intelligence, laser beam technology.

409. **Plant Layout and Material Handling.** 3 hrs. Corequisite: IET 409L. Effectiveness of plant layout and material handling to the production activity, involving personnel, materials, tools and equipment.

409-L. **Industrial Engineering Technology Laboratory.** 0 hr. Corequisite: IET 409.

410. **Motion and Time.** 3 hrs. Corequisite: IET 410L. Interaction between humans and their work environment: information transfer, tools, workspaces and external influences.

410-L. **Motion and Time Laboratory.** 1 hr. Corequisite: IET 410.

440. **Alternate Energy Systems.** 3 hrs. Study of alternative sources of energy and power.

441. **Industrial Energy Management.** 3 hrs. A study of the technical and economic considerations for energy management in industry.

450. **Production Analysis.** 3 hrs. Prerequisites: IET 405. Applied time and motion, employee management, quality control, and material handling using computer simulation software. Concepts of ISO 9000 implementation. (Approval pending)

451. **Advanced CNC Machining.** 2 hrs. Prerequisite: IET 310. Corequisite: IET 451L. CNC machining with emphasis on 3-d modeling, CNC system development, stereo lithography. (Approval pending)

451-L. **Advanced CNC Machining Laboratory.** 1 hr. Corequisite: IET 451. (Approval pending)

460. **Manufacturing Engineering Technology.** 2 hrs. Prerequisite: IET 310. Corequisite: IET 460L. Principles and functions essential to the manufacture of tangible product. Materials, processes, quality, and other technical considerations.

460-L. **Manufacturing Engineering Technology Laboratory.** 1 hr. Corequisite: IET 460.

480. **Industrial Simulation and Modeling.** 3 hrs. Analysis of discrete- event and continuous processes and systems encountered in industry using computer simulation techniques.

491. **Seminar.** 2 hrs. Prerequisite: Senior standing. Tours, guest lectures, student presentations, and discussions of the latest methods in the field.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

496. **Industrial Internship.** 6 hrs. A minimum of 400 total hours of internship under the direct supervision of industrial professionals in collaboration with USM faculty. (Approval pending)

INTERIOR DESIGN (ID—812)

140. **Interior Design I.** 3 hrs. An introduction to the field of interior design with emphasis on processes and resources of the designer.

221. **Floral Design.** 3 hrs. Fundamentals of floral arrangement and design.

233. **Shelter Components I.** 3 hrs. Prerequisite: ID 140 or permission of instructor. A study of the architectural materials for interiors with an emphasis on contemporary shelter requirements.

234. **Shelter Components II.** 3 hrs. Prerequisite: ID 233, or permission of instructor. A study of the architectural materials for interiors with an emphasis on furnishings and accessories.

238. **Visual Communications in Interior Design.** 3 hrs. Prerequisites: ART 101, ACT 132, and ID 140 or permission of instructor. An introduction to visual communication in interior design with emphasis on orthographic and free-hand drawing and visual design terminology.

240. **Interior Design II.** 3 hrs. Prerequisites: ID 140, ACT 132, and ART 101 and 111 or permission of instructor. A studio course for the exploration and application of design methodology to interior environments.

320. **Design Presentation Media.** 5 hrs. Prerequisites: ID 238, 240 (with grade of ``C'' or better), ART 101, 112, or permission of instructor. The application of various media and techniques for the presentation of interior design concepts.

333. **Textiles for Interiors.** 3 hrs. A study of the production, properties, and performance of textiles for interiors with emphasis on the selection of textiles for specific environmental applications.

334. **Surface Enrichment.** Prerequisites: ID 320 (with grade of ``C'' or better). An exploration of the methods and processes of the surface enrichment of interior furnishings and textiles.

335. **Historic Interiors and Furnishing I.** 3 hrs. Junior or Senior standing or permission of instructor. A study of the patterns of historical development and change as revealed in European and Oriental furniture styles and domestic interiors from antiquity through twentieth century.

336. **Historic Interiors and Furnishing II.** 3 hrs. Prerequisite: ID 335. American furniture styles and interior design.

337. **Housing and House Furnishings.** 3 hrs. Prerequisite: Junior or senior standing. A study of psychological, sociological, economic, and aesthetic aspects of housing and house furnishings.

338. **Interior Design Trade Techniques.** 3 hrs. Prerequisites: ID 234, 240, or permission of instructor.. A study of information and skills required to select, write specifications, cost, and supervise the construction and/or installation of upholstery, drapery, wall and floor coverings.

339. **Interior Design III.** 3 hrs. Prerequisites: ID 238 and ID 240 (with a grade of "C" or better). The analysis and application of building systems, standards, and codes necessary for programming, problem solving and the space planning of interior spaces.

340. **Residential Interiors.** 5 hrs. Prerequisites: ART 113; ID 233, 240 and 320 (with grade of ``C'' or better), or permission of instructor. A studio course in advanced problems in space planning, human factors and the application of design principles.

440. **Commercial and Institutional Interiors.** 5 hrs. Prerequisite: ID 320 (with grade of ``C'' or better); course may not be taken concurrently with ID 340. Design problems involving large scale interiors with emphasis on commercial and institutional projects.

441. **Professional Practices and Procedures.** 3 hrs. Prerequisite: ID 240, 320 (with grade of ``C'' or better). Application of the aspects of business to the interior design profession.

442. **Interior Design Internship.** 4 hrs. Prerequisites: ENG 333; ID 336, 338, 340, 440, 478 (1 hr) and permission of instructor. The student must have earned a grade of "C" or better in all interior design courses and have an overall 2.50 GPA for the last 60 hours of course work completed. A practicum for the interior design student in a working-training situation with a professional interior designer.

478. **Seminar in Interior Design.** 1-3 hrs. Prerequisite: Junior or senior standing and permission of instructor. An in-depth study of special topics to meet current needs. May be repeated for a total of no more than seven hours.

490. **Advanced Application of Design Theory.** 3 hrs. Prerequisites: ENG 333; FMA 330; ID 336, 338, 440 (with a grade of "C" or better). Directed in-depth research and problem solving application of a current interior design issue or a design project within the community.

492. **Special Problems.** 1-6 hrs. Prerequisite: 2.0 Overall GPA. Directed individual study. (Students undertaking a Seniors Honor Project will enroll in ID H492.

497. **British Housing and Interiors.** 3-6 hrs. Studies abroad: a series of lectures and tours by English authorities on interior design topics.

INTERNATIONAL BUSINESS (IB—611)

(Enrollment in courses numbered 300 or above requires at least junior standing)

298. **Study Abroad: Introduction to International Business.** 3 hrs. Prerequisite: Sophomore or above standing. A lecture course covering international business topics. (May not be used by business majors for credit in the major or the business core.)

472. **International Business.** 3 hrs. Co-requisite: FIN 472. A survey of the various elements of international business including a field project related to exporting and importing.

492. **Special Problems in International Business.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in international business. (Students undertaking a Senior Honors Project will enroll in IB H492.)

498. **International Business Seminar Abroad.** 3-6 hrs. May be repeated for total of six hours. Prerequisite: Consent of Program Director. Conducted in various locations abroad: a series of lectures and discussions involving authorities on international business issues and practices.

INTERNATIONAL STUDIES (IS—285)

199. **Study Abroad.** 3-6 hrs. International study abroad for freshmen and sophomores.

490. **Internship in International Studies.** 3-6 hrs. Internship in a government agency or a business with an international orientation. Open only to International Studies majors who have achieved junior status.

491. **Senior Seminar in International Studies.** 3 hrs. Undergraduate seminar required of International Studies majors.

492. **Special Problems.** 1-3 hrs.

496. **Latin American Studies.** 3-6 hrs. Lecture series and research in Latin American Studies offered abroad under the auspices of the Center for International Education.

497. **European Studies.** 3-6 hrs. Lecture series and research in European studies offered abroad under the auspices of the Center for International Education.

498. **Asian Studies.** 3-6 hrs. Lecture series and research in Asian studies offered abroad under the auspices for the Center for International Education.

499. **Seminar in International Studies.** 3-6 hrs. Study of selected topics in international affairs with particular attention to diplomatic, security, economic, and environmental policy analysis.

JOURNALISM (JOU—212)

202. **Basic Newswriting.** 3 hrs. Prerequisites: ENG 101, 102, typing proficiency. Fundamentals of mass media writing. Emphasis on format, writing, and evaluation of news in deadlines situations. (CC 1313)

203. **Reporting.** 3 hrs. Prerequisite: JOU 202. Application of news gathering techniques. Emphasis on interviewing, story idea origination and writing of original material for publication.

231. **Issues in Advertising.** 3 hrs. A study of practices and problems in advertising and its relationship to society.

240. **Visual Communication.** 3 hrs. Introduction to visual semantics, including the cues and symbols by which images convey meaning and their impact on viewers.

241. **Basic Elements of Photography.** 3 hrs. Corequisite: JOU 241-L. Introductory course in camera operations, exposing, developing and printing black and white photographs.

+241-L. **Basic Photography/Journalism Laboratory.** 1 hr. Corequisite: JOU 241.

242. **Photojournalism.** 3 hrs. Prerequisites: JOU 241, 241-L. Corequisite: JOU 242-L. Intermediate course in camera and darkroom techniques. Emphasizes presentation of black and white still photojournalism.

+242-L. **Photojournalism Laboratory.** 1 hr. Corequisite: JOU 242.

301. **Feature Writing.** 3 hrs. Prerequisite: JOU 203. Researching and writing feature articles, particularly for the magazine markets. Analyses of the magazine medium and freelance markets.

303. **Investigative Strategies for Journalists.** 3 hrs. Prerequisite: JOU 203. Strategies to locate, understand and use records and documents, including nongovernment sources and computer data bases, interviewing techniques as documentary evidence.

311. **Editing.** 3 hrs. Prerequisite: JOU 202. Practice in the preparation of copy for print publications. Emphasizes precise language usage, news style, headline and caption writing.

312. **Graphic Design.** 3 hrs. Prerequisite: JOU 311. Survey of type and printing, with exercises in copy writing, design and layout of newspaper and other publications.

330. **Advertising Creative Strategy.** 3 hrs. Prerequisite: JOU 231. Study and practical exercises in preparation of camera-ready copy for advertising layouts.

333. **Advertising Media.** 3 hrs. Prerequisites: JOU 231 and CSS 211, ECO 301, PSY 360, or SOC 460. The study of media as vehicles for advertising messages; preparation of media objectives, strategies, budgets and buying plans as integral parts of the advertising process.

402. **Advanced Reporting.** 3 hrs. Prerequisites: JOU 203, 303. Reporting emphasizing research, analysis, and writing about government and public institutions. Traditional and contemporary reporting strategies examined.

403. **Specialized Reporting.** 3 hrs. Prerequisite: JOU 203. Investigative and interpretative reporting of complex or specialized subjects. Emphasis on writing for publication.

405. **Problems in Publication Production.** 3 hrs. Practical training in the production of student publications and advising of staffs.

418. **Practicum in Journalism.** 1-3 hrs. Prerequisite: Consent of adviser. Supervised experience in news, photography, public relations, or advertising.

421. **Public Relations.** 3 hrs. Introduction to the professional practice of public relations, emphasizing its function and process, publics, tools and media of communication and professional ethics.

422. **Public Relations Writing and Publication Design.** 3 hrs. Prerequisites: JOU 202, 421. Concentrates on designing total public relations packages for public, business, and non-profit organizations. Requires production of a publicity campaign.

426. **Public Relations Research.** 3 hrs. Prerequisite: JOU 421. Introduction to quantitative and qualitative methods of applied, basic, and evaluative research used in developing and managing public relations programs.

428. **Public Relations Campaigns.** 3 hrs. Prerequisite: JOU 421. Emphasizes systematic, analysis of clients and publics, formulation of goals and strategies, and multimedia communications. Evaluation of effectiveness and budget preparation included. Case studies and field project.

429. **Internship.** 3 hrs. Prerequisite: Consent of adviser. Designed for students who have arranged internship in news, photography, advertising, and public relations.

431. **Advertising Campaigns.** 3 hrs. Prerequisite: JOU 330, 331, 333 and Senior Standing. Planning and executing advertising campaigns.

433. **Problems and Cases in Advertising.** 3 hrs. Prerequisites: JOU 231, 330, 333 and Senior Standing. The focus is upon problems, decisions, and decision-making processes of advertising managers with special emphasis upon decision-making across the functional areas of the advertising process.

441. **Photojournalism Portfolio.** 3 hrs. Prerequisite: JOU 242 and 242-L. Corequisite: JOU 441-L. Allows completion of student portfolio entries. Emphasizes presentation formats and styles.

+441-L. **Photojournalism Portfolio Laboratory.** 1 hr. Corequisite: JOU 441.

450. **History of Journalism.** 3 hrs. Major events, issues, and personalities of American mass media examined within interdisciplinary framework. Historical relations of print media and public institutions emphasized.

452. **Press and Society.** 3 hrs. Roles and responsibilities of mass media in society. Critique of mass media performance. Media codes and controls on the media.

455. **Media Ethics.** 3 hrs. Examination of major moral dilemmas, issues and practices of mass media through lectures and case studies, with emphasis on moral decision-making.

460. **Press Law and Ethics.** 3 hrs. Rights and constraints of the press, with emphasis on both legal and ethical considerations. A study of libel, copyright, monopoly, contempt, regulations, and other aspects of the law as applied to mass communication.

480. **Seminar in Journalism.** 3 hrs. Examination of theoretical concepts in journalism and the setting for their application. May be repeated for maximum 6 hrs. credit.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors Project will enroll in JOU H492.)

498. **British Studies in Photography.** 3-6 hrs. Prerequisite: Consent of Instructor. Lecture and research in British photography abroad under the auspices of Anglo-American Studies.

499. **British Studies in Journalism.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British Journalism offered abroad under the auspices of Institute of Anglo- American Studies.

LIBRARY AND INFORMATION SCIENCE (LIS—170)

301. **Introduction to Library Resources and Usage.** 1-3 hrs. A survey of library resources as well as methods and techniques for effective utilization of library materials and services.

401. **Introduction to Reference Resources and Services.** 3 hrs. An introduction to reference materials, services, activities, and functions as well as methods for locating information.

+405. **Cataloging and Classification.** 3 hrs. Principles and methods of cataloging and classifying library materials. Provides practice in bibliographical description and subject analysis.

406. **Advanced Cataloging and Classification.** 3 hrs. Prerequisite: LIS 405. Advanced study of the principles and methods of descriptive and subject cataloging and classification with attention to non-print materials.

408. **School Library Media Centers.** 3 hrs. A survey of the objectives, functions, and organization of the library-media center in elementary and secondary schools.

411. **Development of Multi-Media Collections.** 3 hrs. Philosophy and principles governing the selection and procurement of all types of library materials, including the use of selection aids and bibliographic sources for developing both print and non- print collections.

+416. **Utilization of Audiovisual Media and Equipment.** 3 hrs. A survey of media resources and equipment with an emphasis on utilization in libraries. Provides experience with equipment.

417. **Literature and Related Media for Children.** 3 hrs. A survey of children's literature, traditional and modern, and other related materials for use by and with children in grades 1- 6.

418. **Literature and Related Media for Adolescents.** 3 hrs. Study of adolescent literature and other related materials for use by and with young people in grades 7-12.

425. **Instruction and Assessment in Media Programs.** 3 hrs. The assessment of individualized styles of instruction in school library media centers.

428. **Storytelling.** 3 hrs. Prerequisite: LIS 417 or 418. A study of oral tradition and folk literature with emphasis on selection of stories and the art and technique of storytelling. Provides practice in storytelling.

433. **History of the Book.** 3 hrs. A study of the origins and early development of books and printing in Western Europe and the Americas. (May be taken as HUM 433.)

457. **Microcomputers in Libraries.** 3 hrs. Examines the various applications in which microcomputers are and will be utilized in different types of information centers and libraries.

480. **British Studies: Studies in Librarianship.** 3 hrs. Prerequisite: Consent of instructor. Comparative studies of library and information- related institutions, bibliographic organization, models of service and professional practice in the United States and Great Britain.

481. **British Studies: Seminar in Children's and Young Adult Literature.** 3 hrs. Prerequisite: Consent of instructor. Intensive study of specific topics of British interests in literature for children and adolescents.

486. **British Studies: Historical Studies in Children's Literature.** 3 hrs. Prerequisite: Consent of instructor. Traces the development of children's literature in England and the United States to the early 20th Century.

487. **British Studies: Research.** 3 hrs. Prerequisite: Consent of instructor. Provides the opportunity for in-depth research projects.

489. **Library Practicum.** 1-4 hrs. Arr. Supervised work in a library to provide the student with operational library experience.

491. **The Media Center and the School Curriculum.** 3 hrs. Examines the relationship of the media center program in the school curriculum with emphasis on the role of the media specialist.

492. **Special Problems in Librarianship.** 1-3 hrs. Individual investigation of topics to be approved by the director. (Students undertaking a Seniors Honor Project will enroll in LIS H492.)

493. **Issues in Public Librarianship.** 3 hrs. Considers problems involved in the administration and supervision of public libraries. Emphasizes topics relevant to participants.

494. **Student Teaching in Library Science I.** 7 hrs.

495. **Student Teaching in Library Science II.** 7 hrs.

MANAGEMENT (MGT—620)

(Enrollment in Management courses requires at least junior standing.)

300. **Management for Organizations.** 3 hrs. Managerial functions, concepts, and practices within organizations.

304. **Decision Models.** 1.5 hrs. Prerequisite: MGT 300. An introduction to the use of quantitative methods for managerial decision making, including decision analysis, linear programming, and simulation.

350. **Quality Management.** 1.5 hrs. Prerequisite: MGT 300. An introduction to the principles of total quality management (TQM).

364. **Human Resource Management.** 3 hrs. Prerequisite: MGT 300. Emphasis on procuring, developing, maintaining, and utilizing an effective work force within the current legal and social environment.

400. **Global Managerial Policy and Strategy.** 3 hrs. Prerequisites: Senior standing with ACC 300 or 320, FIN 300, MGT 300, and MKT 300. Business administration and strategy in a global environment.

454. **Organizational Behavior.** 3 hrs. Prerequisite: MGT 300. A study of individual and group behavior in organizations, including motivation, leadership, and communication.

455. **Organization Theory**. 3 hrs. Prerequisite: MGT 300. To develop an understanding of the impact of the interaction of structure, environment, technology, and climate on organizational effectiveness.

465. **Production and Operations Management.** 3 hrs. Prerequisites: BA 301 and MGT 300. Development of the P.O.M. functions of production planning and control, inventory control, quality control, and materials handling.

468. **Compensation Administration.** 3 hrs. Prerequisite: MGT 300. Wage and salary administration including job analysis, incentive systems, wage survey, and fringe benefits.

472. **Labor Relations.** 3 hrs. Prerequisite: MGT 300. An integrated study of current law, practice, and policy; cases and role playing.

475. **Entrepreneurship/Small Business Management.** 3 hrs. Prerequisite: MGT 300. Theories and applications related to unique challenges of initiating and/or operating a small business.

480. **Current Issues in Management.** 3 hrs. Prerequisite: Completion of business core and senior standing. A comprehensive course designed to synthesize management topics and relations with current opportunities and problems facing businesses.

482. **Problems in Production and Operations Management.** 3 hrs. Prerequisite: MGT 465. A case approach to such areas as selection and maintenance of equipment, product mix, and quality and production control.

492. **Special Problems in Management.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in management. (Students undertaking a Senior Honors Project will enroll in MGT H492.)

495. **International Management.** 3 hrs. Prerequisite: MGT 300. A course concentrating on the comparison of problems in management in the U.S. with those of multi-national firms.

498. **International Management Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international management issues and practices.

499. **International Management Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international management offered to students enrolled in MGT 498.

MANAGEMENT INFORMATION SYSTEMS (MIS—630)

(Enrollment in courses numbered 300 or above requires at least junior standing.)

201. **Introduction to Business Computer Concepts.** 1 hr. Introduction to computer operating systems and concepts in the business environment. (For students with advanced experience in word processing and DOS, a challenge exam may be granted with permission from the Chair of Management and MIS.)

202. **Introduction to Business Spreadsheets.** 1 hr. Prerequisite: MIS 201. Introduction to the use of spreadsheets in the business environment. (For students with advanced experience in spreadsheets, a challenge exam may be granted with permission from the Chair of Management and MIS.)

203. **Introduction to Business Database.** 1 hr. Prerequisite: MIS 201. Introduction to the use of databases in the business environment. (For students with advanced experience in database management, a challenge exam may be granted with permission from the Chair of Management and MIS.)

204. **Introduction to Business Systems Topics.** 1 hr. Introduction to current topics and application in business information systems.

300. **Management Information Systems.** 3 hrs. Prerequisites: MIS 201 and 202. An introduction to management information systems.

309. **Business Process Systems and Control.** 3 hrs. Prerequisite: MIS 202. An examination of the basic processing cycles used to process accounting and operational data in business systems.

310. **Systems Analysis and Design.** 3 hrs. Prerequisites: MIS 300. The tools, techniques, and concepts of analysis and design of business information systems.

315. **Applications Program Development.** 3 hrs. Prerequisites: CSS 242 and MIS 310. The interactive development of business problems, utilizing advanced data structure and file maintenance.

320. **Advanced Microcomputer Applications.** 3 hrs. Prerequisites: MIS 201 and 202. An advanced course in the use of business microcomputers for decision support and information retrieval.

401. **Database Management Systems.** 3 hrs. Prerequisite: MIS 300. The theory and practice of database design. Software packages are used to design business information systems.

406. **Data Communications.** 3 hrs. Prerequisite: MIS 300. A course on the wide range of modern business systems, including transmission protocols, networking, and the management of distributed computer systems.

408. **Business Operating Systems.** 3 hrs. Prerequisite: MIS 310 and CSS 242. The application and structure of various operating systems to the business environment.

412. **Systems Analysis and Design Applications**. 3 hrs. Prerequisites: MIS 310. A continuation of MIS 310. The course focuses on the design of practical business information systems.

492. **Special Problems in Management Information Systems.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in management information systems. (Students undertaking a Senior Honors Project will enroll in MIS H492.)

MANUFACTURING TECHNOLOGY (MFG—389)

200. **World of Manufacturing.** 3 hrs. Manufacturing and society; emphasis on how a product is made, marketed and serviced; materials and design; newer technologies. May not be applied to a degree in engineering technology.

MARINE SCIENCE (MAR—322)

151. **Introduction to Ocean Science.** 3 hrs. Survey of the physical, chemical, geological and biological features of the ocean. May be taken as GLY 151.

151-L. **Introduction to Ocean Science Laboratory.** 1 hr. Pre- or Corequisite: MAR 151. Elementary exercises for interpreting oceanographic data and samples. May be taken as GLY 151-L.

300. **Marine Science I: Oceanography.** 3 hrs. Prerequisites: college algebra, 8 hours of chemistry and 8 hours biological sciences. For upper division science majors. An introduction to biological, chemical, geological, and physical marine sciences.

300-L. **Marine Science I Laboratory.** 2 hrs. A laboratory for MAR 300.

301. **Marine Science II: Marine Biology.** 3 hrs. Prerequisites: 8 hours of biological sciences. An introduction to marine biology with emphasis on local fauna and flora.

301-L. **Marine Science II Laboratory.** 2 hrs. A laboratory for MAR 301.

401. **Biological Oceanography.** 3 hrs. Prerequisite: Permission of instructor. Biological processes in the ocean and the influence of biotic and abiotic factors on these processes.

401-L. **Biological Oceanography Laboratory.** 1 hr. A laboratory designed to accompany MAR 401.

402. **Marine Environmental Science.** 3 hrs. A study of the problems that affect the coastal and nearshore environments of the Gulf of Mexico.

403. **Marine Invertebrate Zoology.** 3 hrs. Prerequisites: 16 hours of biology. Morphology, distribution, and ecology of the phyla Protozoa through Protochordates.

403-L. **Marine Invertebrate Zoology Laboratory.** 3 hrs. A laboratory for MAR 403.

404. **Parasites of Marine Animals.** 3 hrs. Prerequisite: Consent of instructor. Emphasis on morphology, taxonomy; life histories, and host- parasite relationships.

404-L. **Parasites of Marine Animals Laboratory.** 3 hrs. A laboratory for MAR 404.

405. **Marine Ecology.** 3 hrs. Prerequisite: 16 hours of biological sciences. The relationship of marine organisms to their environment.

405-L. **Marine Ecology Laboratory.** 2 hrs. A laboratory for MAR 405.

406. **Fauna and Faunistic Ecology of Tidal Marshes.** 2 hrs. Prerequisite: Consent of instructor. Taxonomy, distribution, trophic relationships, reproductive strategies and adaptation of tidal marsh animals. May be taken as BSC 448.

406-L. **Fauna and Faunistic Ecology of Tidal Marshes Laboratory.** 3 hrs. A laboratory for MAR 406. May be taken as BSC 448L.

407. **Marine Aquaculture.** 3 hrs. Problems and procedures relating to the culture of commercially important crustaceans, fish, and mollusks.

407-L. **Marine Aquaculture Laboratory.** 3 hrs. A laboratory for MAR 407.

408. **Marine Ichthyology.** 3 hrs. Prerequisite: 16 hours of biology. Marine fishes including evolutionary relationships, morphology, physiology, and zoogeography.

408-L. **Marine Ichthyology Laboratory.** 3 hrs. A laboratory for MAR 408.

409. **Marine Microbiology.** 3 hrs. Prerequisite: General Microbiology. An introduction to the role of microorganisms in overall ecology of the oceans and estuaries. 409-L. Marine Microbiology Laboratory. 2 hrs. A laboratory for MAR 409.

410. **Marine Fisheries Management.** 2 hrs. Prerequisite: Consent of instructor. An overview of practical marine fishery management problems. (May be taken as BSC 449.)

410-L. **Marine Fisheries Management Laboratory.** 2 hrs. Corequisite for MAR 410.

420. **Marine Phycology.** 2 hrs. Prerequisite: 10 hours of biology including botany. A survey, based upon local examples, of the principal groups of marine algae.

420-L. **Marine Phycology Laboratory.** 2 hrs. A laboratory for MAR 420.

421. **Coastal Vegetation.** 2 hrs. Prerequisite: 10 hours of biology, including general botany. A study of general and specific aspects of coastal vegetation, with emphasis on local examples.

421-L. **Coastal Vegetation Laboratory.** 1 hr. A laboratory for MAR 421.

422. **Salt Marsh Plant Ecology.** 2 hrs. The botanical aspects of local marshes; includes plant identification, composition, and structure.

422-L. **Salt Marsh Plant Ecology Laboratory.** 1 hr. A laboratory for MAR 422.

423. **Marine Mammals.** 3 hrs. Prerequisite: 16 hours biological sciences or permission of instructor. Corequisite: MAR 423L. Course will emphasize natural history and population ecology of cetaceans. Will include life history, distribution, population dynamics, diet and feeding, social behavior, evolution, and zoogeography.

423-L. **Marine Mammals Laboratory.** 1 hr. Corequisite: MAR 423. A laboratory for MAR 423.

430. **Comparative Histology of Marine Organisms.** 3 hrs. Prerequisite: Consent of instructor. Histology of marine organisms, including tissue processing techniques.

430-L. **Comparative Histology of Marine Organisms Laboratory.** 3 hrs. A laboratory for MAR 430

441. **Marine Chemistry.** 3 hrs. Prerequisite: Permission of instructor. Sea water chemistry and cycles and their impact on the marine environment.

441-L. **Marine Chemistry Laboratory.** 1 hr. A laboratory for MAR 441.

443. **Environmental Estuarine Chemistry.** 3 hrs. Prerequisites: BSC 111, CHE 256, MAT 179, or permission of instructor. Corequisite: MAR 443L. Sources, reactions, transport, fate and effects of environmental chemical species in aquatic environments with special emphasis on estuaries.

443-L. **Environmental Estuarine Chemistry Laboratory.** 1 hr. Corequisite: MAR 443. A laboratory for MAR 443.

456. **Techniques in Marine Science Education.** 3 hrs. Marine resources of Mississippi. May be taken as SCE 456.

457. **Marine Science for Teachers.** 3 hrs. Prerequisite: MAR/SCE 456 or permission of instructor. Advance topics in marine science. May be taken as SCE 457.

458. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor. May be taken as SCE 435.

459. **Coastal Ecology for Teachers.** 3 hrs. Prerequisite: Permission of instructor. Corequisite: MAR 459-L. Designed to provide teachers with a background in basic coastal ecology. (May be taken as SCE 459.)

459-L. **Coastal Ecology for Teachers Laboratory.** 1 hr. Prerequisite: Permission of instructor. Corequisite: for MAR 459. (May be taken as SCE 459L.)

461. **Physical Oceanography.** 3 hrs. Prerequisites: PHY 112 or 202 and MAT 179 or permission of instructor. An introduction to the physical properties of the oceans.

461-L. **Physical Oceanography Laboratory.** 1 hr. A laboratory for MAR 461.

466. **Acoustics.** 3 hrs. Prerequisites: MAT 471 or permission of instructor. Principles of the generation, transmission and reception of acoustic waves.

481. **Geological Oceanography.** 3 hrs. Prerequisite: Permission of instructor. Study of the formation and deformation of the oceanic crust and the distribution and character of marine sediments.

481-L. **Geological Oceanography Laboratory.** 1 hr. A laboratory for MAR 481.

482. **Coastal Marine Geology.** 3 hrs. Prerequisite: 6 hours in geology. Inshore and nearshore geological processes, sedimentation patterns, and land forms. May be taken as GLY 431.

485. **Microcomputer Applications in Marine Science Instrumentation.** 3 hrs. Introduction to programming and hardware concepts relevant for marine science applications.

490. **Special Problems in Marine Science.** 1-6 hrs. Prerequisite: Consent of instructor. Independent research.

491. **Special Topics in Marine Science.** 1-6 hrs. Prerequisite: Consent of instructor. Directed study in area for which no formal courses are offered.

MARKETING (MKT—625)

(Enrollment in Marketing courses requires at least junior standing.)

300. **Principles of Marketing.** 3 hrs. A study of the marketing function in organizations.

322. **Creative Marketing.** 3 hrs. Prerequisite: MKT 300. An introductory course in problem-solving techniques which emphasizes creative problem-solving methodology, information processing strategies, and interpersonal behavior in task-oriented groups applied to marketing.

330. **Professional Selling.** 3 hrs. Prerequisite: MKT 300. An analysis of the ethics, functions, and techniques of professional selling using a behavioral and managerial approach.

355. **Principles of Advertising.** 3 hrs. Prerequisite: MKT 300. An introduction to the field of advertising including the background and social impact of today's advertising, media selection, copywriting, layout, visualization, and typography.

365. **Consumer Behavior.** 3 hrs. Prerequisite: MKT 300. Analysis of human behavior in the market place. Emphasis is placed on applying concepts from the social sciences to understanding consumer decision processes, buying patterns, and consumer research.

370. **Principles of Purchasing.** 3 hrs. Prerequisite: MKT 300. An introduction to the principles of purchasing in industrial and nonprofit organizations.

380. **Industrial Marketing.** 3 hrs. Prerequisite: MKT 300. A survey of business-to-business marketing practices with emphasis on commercial, institutional, and governmental organizations.

424. **Marketing Research.** 3 hrs. Prerequisites: MKT 300 and BA 303. A study of the systems, methods, and procedures used in meeting the informational needs of managers in the marketing area for both quantitative and qualitative marketing data.

428. **Marketing Management.** 3 hrs. Prerequisite: Completion of business core and senior standing. A comprehensive course designed to synthesize the more specialized marketing knowledge of the student through the study of case histories.

430. **Sales Management.** 3 hrs. Prerequisites: MKT 300 and MKT 330. A study of the methods and procedures involved in selection, training, organization, compensation, supervision, and evaluation of the sales force, using the modified case method of instruction.

444. **Retail Management and Strategy.** 3 hrs. Prerequisite: MKT 300. An examination of specific problem areas in retail innovations, spatial competition, and retail mix development.

458. **Promotion Management.** 3 hrs. Prerequisite: MKT 300. A practical application and integration of the basic principles from the areas of advertising, personal selling, sales promotion, public relations, and publicity. A modified case approach is used in the course.

492. **Special Problems in Marketing.** 1-6 hrs. Prerequisite: Consent of Chair. Individual study on an approved topic in marketing. (Students undertaking a Senior Honors Project will enroll in MKT H492.)

495. **International Marketing.** 3 hrs. Prerequisites: MKT 300 and MGT 300. The economic, political, and cultural aspects of international business operations.

498. **International Marketing Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international marketing issues and practices.

499. **International Marketing Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international marketing offered for students enrolled in MKT 498.

MATHEMATICS (MAT—350)

090. **Developmental Mathematics.** 3 hrs. Corequisite: MAT 090L. Basic arithmetic skills review and strong concentration on beginning algebra. Open only to Development Educational Program students.

090-L. **Developmental Mathematics Laboratory.** 1 hr. Laboratory designed to accompany MAT 090. Open only to Developmental Educational Program students.

099. **Intermediate Algebra.** 3 hrs. Required of all entering freshmen with a sub-standard ACT mathematics score. Does not satisfy any University core or degree requirements. Meets 250 contact minutes per week. (CC 1233)

101. **College Algebra.** 3 hrs. Prerequisite: Two years of high school algebra or MAT 099. Polynomials, factoring, functions and graphs, linear and quadratic equations and inequalities. (CC 1313)

102*. **Finite Mathematics and Introduction to Calculus.** 3 hrs. Prerequisite: MAT 101. Matrices and systems of equations, introduction to calculus. (CC 1333, 1423, 1513)

103. **Plane Trigonometry.** 3 hrs. Prerequisite: Two years of high school algebra or the equivalent. Trigonometric functions and their inverses, trigonometric identities and equations, solutions of triangles, logarithms. (CC 1323)

128. **Precalculus Mathematics.** 3 hrs. Prerequisite: High school trigonometry. Functions, analytic geometry, sequences, series, mathematical induction.

The above courses are open only to freshmen. Other students desiring to take these courses must have approval from the Chair of the Department of Mathematics. Only two of the following can be taken for credit: MAT 101, MAT 103, and MAT 128.

136. **Applied Calculus for Engineering Technology I.** 3 hrs. Prerequisite: MAT 103. Plane analytic geometry, differentiation and integration with applications to curvilinear motion, related rates, curve sketching and areas. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

137. **Applied Calculus for Engineering Technology II.** 3 hrs. Prerequisite: MAT 136. Continuation of techniques of differentiation and integration. Areas, volumes, centroids, moments of inertia, and an introduction to first and second order differential equations. (A student who receives credit for MAT 169 or 179 cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

167. **Calculus I with Analytic Geometry.** 3 hrs. Prerequisite: MAT 103 or 128 or equivalent. A graphical, numerical, and symbolic introduction to functions, derivatives, and integration emphasizing concepts and applications. (CC 1613)

168. **Calculus II with Analytic Geometry.** 3 hrs. Prerequisite: MAT 167 or 178. Reconstructing a function from its derivative, techniques and applications of integration, different equations, and an introduction to approximation via Taylor series and Fourier series.

169. **Calculus III with Analytic Geometry.** 4 hrs. Prerequisite: MAT 168. Multivariable functions, vectors, partial and directional derivatives, optimization, techniques and applications of multiple integrals, and parametric curves and surfaces.

178. **Differential and Integral Calculus with Analytic Geometry I.** 5 hrs. Prerequisite: MAT 103. Functions, limits, derivatives and their applications, definite and indefinite integrals with applications, and selected topics from analytic geometry. (CC 1815)

179. **Differential and Integral Calculus with Analytic Geometry II.** 5 hrs. Prerequisite: MAT 168 or 178. Transcendental functions, techniques of integration, infinite series, L'Hospital's rule, improper integrals, Taylor's formula, and selected topics from analytic geometry. (CC 1825)

210*. **Mathematics for Elementary Teachers I.** 3 hrs. Prerequisite: MAT 101. Problem solving, logic, sets, whole numbers, and whole number arithmetic. (Open only to elementary and special education majors.) (CC 1723)

280. **Multivariable Calculus.** 3 hrs. Prerequisite: MAT 169 or 179. Differential calculus of several variables, directional derivatives, partial derivatives, the chain rule, extrema problems, double and triple integrals and their applications. (CC 2623)

308. **Mathematics for Early Childhood Education.** 3 hrs. Prerequisite: MAT 210. Problem solving, ordering, comparing, classifying, numberless, money, time, measurement, and geometry. (Open only to elementary and special education majors.)

309. **Mathematics for Elementary Teachers II.** 3 hrs. Prerequisite: MAT 210. Integers, rational numbers, structure of the real numbers, ratios, percents, proportions, problem solving, statistics and probability. (Open only to elementary and special education majors.)

310*. **Mathematics for Elementary Teachers III.** 3 hrs. Prerequisite: MAT 210. Basic concepts of 2-dimensional and 3-dimensional geometry, motion geometry, and measurement. (Open only to elementary and special education majors.)

312*. **Applied Calculus for Business and Social Sciences.** 3 hrs. Prerequisite: MAT 102. Elementary functions, differential and integral calculus with applications. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

314. **Calculus for the Arts and Sciences.** 3 hrs. Prerequisite: MAT 103. An introduction to functions, graphs, continuity, differential and integral calculus, with applications to the arts and life sciences. (A student who receives credit for any other calculus course cannot use this course to satisfy any degree requirements in the College of Science and Technology.)

316. **Applied Linear Algebra.** 3 hrs. Prerequisite: MAT 169 or 179. Matrices, systems of linear equations, eigenvalues and eigenvectors, and matrix calculus.

320. **Probability and Mathematical Statistics I.** 3 hrs. Prerequisite: MAT 169 or 179 , and 340. Discrete distributions, random variables, independence, moment generating functions, continuous distributions, and multivariate distributions.

326. **Linear Algebra I.** 3 hrs. Corequisite: MAT 168 or 179. Vector spaces, systems of linear equations, linear transformations, matrices, and inner products.

340. **Discrete Mathematics.** 3 hrs. Corequisite: MAT 167 or 178. Logic, set theory, and selected topics from algebra, combinatorics, and graph theory. (Should be taken prior to completion of the calculus sequence.)

370. **Introductory Geometry.** 3 hrs. Introduction to the pedagogy of elementary Euclidean geometry and formulas related to two and three-dimensional space. (Open only to those students preparing to teach mathematics in grades 7-12.)

385. **Introduction to Differential Equations I.** 3 hrs. Corequisite: MAT 280. Linear ordinary differential equations with applications, and Laplace transforms.

410. **Mathematics for Teachers of Junior High School Mathematics.** 3 hrs. The real number system and major subsystems, introduction to algebra, informal geometry, consumer mathematics and introduction to BASIC programming. (Open only to elementary and special education majors.)

415. **Introduction to Differential Equations II.** 3 hrs. Prerequisite: MAT 385. Systems of linear differential equations, operator methods, approximating solutions, Laplace transforms, and power series.

417. **Introduction to Partial Differential Equations.** 3 hrs. Prerequisite: MAT 385. Integrability conditions, quasilinear equations, applications of physics, classification of second order equations and canonical forms, and separation of variables.

418*. **Linear Programming.** 3 hrs. Prerequisite: MAT 326. Convex sets, linear inequalities, extreme-point solutions, simplex procedure, and applications.

419*. **Optimization in Mathematical Programming.** 3 hrs. Prerequisites: MAT 280 and 418. Selected topics in optimization from linear and nonlinear programming.

420. **Probability and Mathematical Statistics II.** 3 hrs. Prerequisites: MAT 320. Central limit theorem, estimation, and hypothesis tests.

421. **Number Theory.** 3 hrs. Prerequisite: MAT 340. Induction, well-ordering, division algorithm, Euclidean algorithm, Fundamental Theorem of Arithmetic, number theoretic functions, and congruences.

423. **Modern Algebra I.** 3 hrs. Prerequisite: MAT 340. Elementary notions in groups, Fundamental Theorem of Finitely Generated Groups, permutation groups, quotient groups, isomorphism theorems, and applications of transformation groups.

424. **Modern Algebra II.** 3 hrs. Prerequisite: MAT 423. Survey of standard algebraic systems; rings, integral domains, fields, modules, polynomial rings, and fields of quotients.

426. **Linear Algebra II.** 3 hrs. Prerequisite: MAT 326. Determinants; polynomials; complex numbers; single linear transformations; orthogonal, unitary and symmetric linear transformations.

430. **Advanced Engineering Mathematics I.** 3 hrs. Prerequisites: MAT 280 and 385. Introduction to Laplace transforms and Fourier series with emphasis on solving ordinary and simple partial differential equations.

431. **Advanced Engineering Mathematics II.** 3 hrs. Prerequisite: MAT 430. Vector calculus and an introduction to complex variables with emphasis on integral theorems and integration.

436. **Theory of Functions of a Complex Variable I.** 3 hrs. Prerequisite: MAT 280. Complex numbers and functions, limits, continuity, differentiation, analytic functions, branches, contour integration, and series.

437. **Graph Theory.** 3 hrs. Prerequisite: MAT 340. An introduction to graphs and a sampling of their numerous and diverse applications.

439. **Combinatorics.** 3 hrs. Prerequisites: MAT 169 or 179, 326, and 340. Counting and enumeration techniques, inversion formulas and their applications, and counting schemata relative to permutations of objects.

441. **Advanced Calculus I.** 3 hrs. Prerequisites: MAT 280 and 340. Point set theory, sequences, continuity, uniform continuity, limits, mean value theorems, and L'Hospital's rule.

442. **Advanced Calculus II.** 3 hrs. Prerequisite: MAT 441. Riemann integration, Taylor's theorem, improper integrals, infinite series, and uniform convergence.

457. **Methods in Mathematics-Secondary.** 3 hrs. Prerequisites; MAT 280, 340, 316 or 326, and 385. A course designed to give the students a knowledge of the objectives, curriculum problems, and organization and methods of teaching secondary school mathematics. Does not count as an upper-level mathematics elective.

460*. **Numerical Analysis I.** 3 hrs. Prerequisites: MAT 280, 326, and knowledge of a programming language. Methods of solving equations and systems of equations, error analysis, and difference equations.

461*. **Numerical Analysis II.** 3 hrs. Prerequisites: MAT 385 and 460. Interpolating polynomials, numerical differentiation and integration, numerical solutions of differential equations, and roundoff error.

472. **Modern Geometry.** 3 hrs. Prerequisites: MAT 280, 316 or 326, and 340. Heuristic and analytic treatment of a branch of modern geometry, such as projective or differential geometry.

475. **General Topology.** 3 hrs. Prerequisites: MAT 169 or 179, and 340. General topological spaces, bases and subbases, and continuity.

481. **History of Mathematics.** 3 hrs. Prerequisites: MAT 167 or 178. The history of mathematics from antiquity through the 17th century. Does not count as an upper level mathematics elective. (Also offered as HUM 481.)

485. **Mathematical Modeling.** 3 hrs. Prerequisites: MAT 280, 316 or 326, 385, and a programming language. An introduction to mathematical modeling using case studies. Projects and presentations are required.

+489. **Student Teaching in Mathematics I.** 7 hrs. Prerequisite: Approval of the Director of Student Teaching. Corequisite: MAT 490.

+490. **Student Teaching in Mathematics II.** 7 hrs. Prerequisite: Approval of the Director of Student Teaching. Corequisite: MAT 489.

492. **Special Problems I, II.** 1-3 hrs. Prerequisite: Approval of department chair. (Students undertaking a Senior Honors Project will enroll in MAT H492.)

494. **Undergraduate Mathematics Seminars I, II.** 1 hr. Prerequisite: Consent of instructor. Topics of current interest.

*Students will use University computers and appropriate software as a part of course requirements.

MECHANICAL ENGINEERING TECHNOLOGY (MET—397)

321. **Tools and Fixture Design.** 3 hrs. Prerequisite: ENT 110. Corequisite: MET 321L. Design and fabrication of production tools, jigs, gages, etc., with emphasis on dimensional control.

321-L. **Mechanical Engineering Technology Laboratory.** 0 hr. Corequisite: MET 321.

322. **Applied Dynamics.** 3 hrs. Prerequisite: ENT 240. Corequisite: MET 322L. Fundamentals of dynamics; kinetics, periodic motion, and energy methods.

322-L. **Mechanical Engineering Technology Laboratory.** 0 hr. Corequisite: MET 322.

323. **Fluid Mechanics and Hydraulics.** 3 hrs. Prerequisite: ENT 240. Fluid statics and applications of fluid dynamics principles to the analysis and design of fluid systems.

323-L. **Hydraulics Laboratory.** 1 hr.

331. **HVAC Design I.** 3 hrs. Prerequisite: ENT 330. Corequisite: MAT 137, MET 331L. Basic A/C principles and concepts as applied to large commercial systems.

331-L. **HVAC Laboratory.** 1 hr. Corequisite: MET 331.

362. **Machine Design.** 3 hrs. Corequisite: ENT 340. Design and selection of mechanical elements used in machines. Computer-aided design and manufacturing.

392. **Special Problems.** 1-3 hrs. Prerequisites: Junior standing and approval of faculty adviser. Individual or group study in an area not covered by available courses.

400. **Senior Project.** 3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Student required to complete a project in his area of specialization.

401. **Senior Project.** 3 hrs. Continuation of MET 400.

410. **Production Materials.** 3 hrs. Corequisite: MET 410L. Study of properties of materials for cutting, drilling, forming, and heat treating operations.

410-L. **Mechanical Engineering Technology Laboratory.** 0 hr. Corequisite: MET 410.

411. **Industrial Testing.** 3 hrs. Prerequisite: ENT 340. Corequisite: MET 411L. Destructive and nondestructive testing of materials and structures.

411-L. **Mechanical Engineering Technology Laboratory.** 0 hr. Corequisite: MET 411.

420. **Robotics.** 2 hrs. Prerequisites: ENT 110 or permission of instructor. Corequisite: MET 420L. Fundamentals of hydraulic, pneumatic, and electrically- controlled industrial robots. Robot geometry, installation and applications in industrial processes.

420-L. **Robotics Laboratory.** 1 hr. Corequisite: MET 420.

492. **Special Problems.** 1-3 hrs. Prerequisites: Senior standing and approval of faculty adviser. Supervised study in area not covered by available courses.

MEDICAL TECHNOLOGY (MTC—354)

101. **Introduction to Medical Technology.** 1 hr. An introduction for incoming students to the scope, objectives, and requirements for a career in medical technology.

300. **Applied Clinical Procedures.** 2 hr. Prerequisite: a minimum overall GPA of 2.5, "C" or better in MAT 101, MAT 102 or Calculus, CHE 106/106L, and CHE 107/107L. Corequisite: MTC 300L, must be taken with or before other MTC 300 level courses. An introduction to clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

300-L. **Applied Clinical Procedures Laboratory.** 2 hrs. Prerequisite: a minimum overall GPA of 2.5, "C" or better in MAT 101, MAT 102 or Calculus, CHE 106/106L, and CHE 107/107L. Corequisite: MTC 300, must be taken with or before other MTC 300 level courses. A laboratory emphasizing clinical laboratory safety, instrumentation, mathematics, and analytical techniques.

302. **Clinical Bacteriology I.** 3 hrs. Prerequisites: MTC 300, 300L, BSC 380, 380L or permission of instructor. Corequisite: MTC 302L. Evaluation of clinical specimens with regard to pathogenic microorganisms.

302-L. **Clinical Bacteriology I Laboratory.** 2 hrs. Prerequisite: MTC 300, 300L, BSC 380, 380L or permission of instructor. Corequisite: MTC 302.

306. **Fundamentals of Hematology.** 3 hrs. Prerequisite: MTC 300, 300L. Corequisite: MTC 306L. An introduction to the study of blood and blood forming organs.

306-L. **Fundamentals of Hematology Laboratory.** 2 hrs. Prerequisite: MTC 300, 300L. Corequisite: MTC 306.

309. **Clinical Chemistry I.** 3 hrs. Prerequisite: MTC 300, 300L, CHE 420, 420L or permission of instructor. Corequisite: MTC 309L. An introduction to the basic principles and methodology of clinical chemistry.

309-L. **Clinical Chemistry I Laboratory.** 2 hrs. Prerequisite: MTC 300, 300L, CHE 420, 420L, or permission of instructor. Corequisite: MTC 309.

401. **Body Fluids.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 401L. Analysis of the physical, chemical, and microscopic parameters of urine and other body fluids.

401-L. **Body Fluids Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 401.

402. **Clinical Bacteriology II.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 402L. Laboratory methods of isolation, identification, and other testing of pathogenic bacteria and their etiologic role in disease.

402-L. **Clinical Bacteriology II Laboratory.** 2 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 402.

403. **Clinical Mycology.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 403L. The study of pathogenic fungi. Emphasis is placed on laboratory methods of isolation and identification of medically important fungi.

403-L. **Clinical Mycology Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 403.

405. **Clinical Parasitology.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 405L. The study of medically significant protozoan and helminthic parasites and their vectors. Emphasis is placed on laboratory methods of detection and identification of these organisms.

405-L. **Clinical Parasitology Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 405.

406. **Hematology I.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 406L. The study of blood cells and their abnormalities with emphasis on procedures of laboratory examination.

406-L. **Hematology I Laboratory.** 2 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 406.

407. **Clinical Immunodiagnostics I.** 2 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 407L. An introduction to immunodiagnostic testing, theory, and practical experience involving antigen-antibody reactions in relation to disease in humans.

407-L. **Clinical Immunodiagnostics I Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 407.

408. **Clinical Immunohematology.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 408L. The theory and techniques of donor selection, processing blood for transfusion, and resolving incompatibilities.

408-L. **Clinical Immunohematology Laboratory.** 2 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 408.

409. **Clinical Chemistry II.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 409L. The qualitative and quantitative chemical analysis of blood, urine, cerebrospinal fluid, and other body fluids.

409-L. **Clinical Chemistry II Laboratory.** 2 hrs. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 409.

410. **Special Chemistry.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 410L. Introduction to therapeutic drug monitoring and clinical toxicology with special emphasis on pathophysiology and analyte measurement.

410-L. **Special Chemistry Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 410.

411. **Coagulation.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 411L. The study of hemostasis in the human and its application to clinical laboratory testing, normal and abnormal.

411-L. **Coagulation Laboratory.** 1 hr. Prerequisite: Admission to the Senior Practicum. Corequisite: MTC 411.

412. **Principles of Clinical Administration and Education.** 1 hr. Prerequisite: Admission to the Senior Practicum. Introduction of basic principles of clinical laboratory administration and education.

414. **Current Topics in Medical Technology.** 1 hr. Prerequisite: Admission to the Senior Practicum. Presentation of techniques and procedures that have recently been developed and/or incorporated into the area of clinical laboratory science.

451. **Urinalysis.** 1 hr. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

452. **Clinical Microbiology.** 4 hrs. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

456. **Hematology II.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

457. **Clinical Immunodiagnostics II.** 1 hr. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

458. **Blood Bank.** 3 hrs. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

459. **Clinical Chemistry III.** 4 hrs. Prerequisite: Admission to the Senior Practicum. Clinical education at one of the affiliated hospital laboratories.

461. **Oncology.** 3 hrs. Prerequisite: Biochemistry or Molecular Biology or permission of instructor. An introduction to the biological and clinical aspects of cancer.

492. **Special Problems in Medical Technology I, II, III, IV.** 1-8 hrs. Assignments of a specific clinical problem in medical technology under faculty direction. (Students undertaking a Seniors Honor Project will enroll in MTC H492.)

MILITARY SCIENCE (MS—276)

Basic Military Science

(GS 101, University Success Skills, is taught by the Department of Military Science as well as many other departments. All sections are counted for credit toward freshman-level Military Science. Military-taught students may participate in adventure training exercises.)

100-L. **Leadership Laboratory.** 1 hr. Supplemental to MS 114. A hands-on application of concepts taught in MS 114 with emphasis on Adventure Training and outdoor activities, such as rappelling, canoeing, and paintball.

114. **General Military Science I.** 2 hrs. An introduction to Military Science, with emphasis on leadership, military history, customs, traditions, branches, ethics, writing skills, basic marksmanship, map reading and first aid. Adventure training also provided. Leadership practicum included in course instruction.

200-L. **Leadership Laboratory.** 1 hr. Supplemental to MS 211 and 214. A hands-on application of concepts taught in MS 211 and 214 with emphasis on Adventure Training and outdoor activities, such as rappelling, canoeing, and paintball.

211. **Dynamics of Leadership.** 2 hrs. Familiarizes the student with basic leadership and technical military skills. These skills include leadership, map reading, first aid, and communicative skills. Leadership practicum included in course instruction.

214. **Leadership in Action.** 2 hrs. An introduction to leadership action skills with emphasis on beliefs, values, ethics, counseling techniques and group interaction skills. Leadership practicum included in course instruction.

250. **ROTC Basic Camp.** 1-6 hrs. Six weeks of training at Fort Knox, Kentucky, conducted during the summer months for students who did not complete advanced course prerequisites during the freshman or sophomore academic years.

Advanced Military Science

301. **Individual and Small Unit Tactical Training.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study of the fundamentals of offensive and defensive tactics as pertains to the individual, squad, and platoon. Includes a leadership laboratory.

302. **Applications in Small Unit Tactical Training.** 4 hrs. Prerequisite: Approval by Professor of Military Science. A study and practical application in squad and platoon tactics and leadership. Includes a leadership laboratory.

350. **American Military Experience.** 3 hrs. A historical course of study on officership as a profession, the Army's role, traditional civil-military issues; policy, organizations, and key social, economic and political influencers.

401. **Leadership and Management I.** 4 hrs. Prerequisites: Approval by Professor of Military Science. A study and application of leadership and management as pertains to planning, conducting, and evaluating training, preparing and staffing actions, and the supervision and inspection of tactical operations. Includes a leadership laboratory.

402. **Leadership and Management II.** 4 hrs. Prerequisites: Approval by the Professor of Military Science. Expands leadership skills, teaches briefing techniques, introduces Army logistics, post and installation support, review of world threats and prepares the students for their new role as an officer. Includes a leadership laboratory.

492. **Special Projects.** 1-3 hrs.

MUSIC (MUS—675)

100. **Music Fundamentals.** 1 hr. An intensive study of the basic elements of music: notation (pitch, rhythm, key signatures) and major scales (spelling, singing, playing on the piano).

101. **Music Theory.** 2 hrs. Prerequisite: MUS 100 or approval of instructor. Scales, intervals, and part-writing using triads, the dominant seventh chord, non-harmonic tones, modulation, dictation, and sight-singing. Concurrent registration in MUS 101- L required. (CC 1214)

102. **Music Theory.** 3 hrs. Prerequisite: MUS 101. A continuation of MUS 101. Concurrent registration in MUS 102-L required. (CC 1224)

103. **Developing Aural Skills I.** 2 hrs. Sight-singing, ear-training, dictation. Concurrent registration in MUS 101 required.

104. **Developing Aural Skills II.** 2 hrs. Prerequisite: MUS 101, 103. A continuation of MUS 103. Concurrent registration in MUS 102 required.

105. **Introduction to Careers in Music and the Music Industry.** 2 hrs. Prerequisite: Permission of instructor. An introductory course to familiarize students with the many varied career opportunities within the music industry.

106. **Music Industry Seminar.** 1 hr. Prerequisite: Permission of instructor. A weekly seminar to keep students abreast of trends and current state of ever-changing business and music industry world.

201. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 102. Part-writing, including secondary seventh chords, borrowed chords, altered chords, foreign modulation, dictation, and sight- singing. Concurrent registration in MUS 201-L required. (CC 2214)

202. **Advanced Music Theory.** 3 hrs. Prerequisite: MUS 201. A continuation of MUS 201. Concurrent registration in MUS 202-L required. (CC 2224)

203. **Advanced Aural Skills I.** 2 hrs. Prerequisite: MUS 102, 104. Sight-singing, melodic and harmonic dictation, ear-training. Concurrent registration in MUS 201 required.

204. **Advanced Aural Skills II.** 2 hrs. Prerequisite: MUS 201, 203. A continuation of MUS 203. Concurrent registration in MUS 202 required.

231. **History of Music.** 3 hrs. Prerequisites: MUS 131 and MUS 102. Music in Western civilization traced from its primitive sources to the present. (CC 2313)

232. **History of Music.** 3 hrs. Prerequisites: MUS 231 and MUS 102. A continuation of MUS 231. (CC 2323)

301. **Twentieth-Century Harmony.** 2 hrs. Prerequisites: MUS 202 and MUS 302. Investigation of the various styles and harmonic elements of 20th- Century music, coupled with practical applications.

302. **Form and Analysis.** 2 hrs. Prerequisite: MUS 202. Music of various periods is analyzed formally, harmonically, and contrapuntally.

303. **Survey of Music Industry I.** 3 hrs. Prerequisite: MUS 103, 105, 205, or permission of instructor. An in-depth study of the music industry to include: the music store, musical instruments, music reproducing instruments, performance, and U.S. copyright laws.

304. **Survey of the Music Industry II.** 3 hrs. Prerequisite: MUS 303 or permission of instructor. Continuation of in-depth study of music industry to include: books and magazines dealing with music, publishing, recorded music, teaching of music, non- commercial music, and musical promotion.

305. **Graded Church Choirs I.** 3 hrs. Materials and methods for organizing, promoting, training, and maintaining pre-school age and elementary school age choirs.

306. **Graded Church Choirs II.** 3 hrs. Organizing, developing, maintaining, and training volunteer youth and adult choirs (including senior citizens) in relationship to the total church program.

321. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice writing in the style of Palestrina.

322. **Counterpoint.** 2 hrs. Prerequisite: MUS 202 or permission of instructor. Two, three, and four-voice contrapuntal writing in the style of Bach.

332. **American Music.** 3 hrs. A study of music in the United States. For non-music majors; the ability to read music notation is not required. May not be applied as credit for a Music or Music Education degree.

351. **History of Church Music.** 3 hrs. History of Christian Church music, with emphasis on the use of literature.

360. **Stylistic Developments in Jazz.** 3 hrs. Study of the development of jazz idioms. Includes elements of jazz history leading to study of more complex idioms.

361. **Basic Music Skills.** 3 hrs. An introduction to the fundamentals of music for the non-music major through a comprehensive approach using singing, playing instruments, creative movement and listening.

365. **The Enjoyment of Music.** 3 hrs. Study of the basic elements of music necessary for intelligent listening and appreciation. This course may not be applied toward a Bachelor of Music or Bachelor of Music Education degree, or a music minor.

366. **American Popular Music 1900-1980.** 3 hrs. A musical, socio- political study of popular music in America and its impact on U.S. Culture.

367. **Improvisation.** 1 hr. Study and performance of jazz improvisation.

368. **Improvisation.** 1 hr. A continuation of MUS 367.

375. **Beginning Techniques of Scoring for Jazz Ensembles.** 2 hrs. Study in composing and arranging music for jazz ensembles.

376. **Intermediate Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 375.

401. **Instrumentation.** 2 hrs. Prerequisite: MUS 202. Study of the instruments of the band and orchestra. Scoring for instrumental ensembles.

405. **Music Industry Seminar.** 1 hr. (to be taken twice). Prerequisite: MUS 105, 205, or permission of instructor. A continuation of MUS 205.

406. **Music Industry Internship.** 9 hrs. Prerequisite: MUS 103, 304, 405, or permission of instructor. A nine-week supervised internship in a professional setting in the music industry.

423. **The Organ in Worship.** 1 hr. A study of elementary principles of construction and design, and of effective use in church service, including appropriate organ literature.

431. **History of Opera.** 3 hrs. The history of the musical theatre from Greek drama to the present. Open to non-music majors with consent of instructor.

432. **Music in the U.S.** 3 hrs. Study of the development of music in North America. Open to non-music majors with consent of instructor.

433. **20th-Century Music.** 3 hrs. Examination of musical trends since Debussy and Mahler. Open to non-music majors with consent of instructor.

434. **Ancient, Medieval, and Renaissance Music.** 3 hrs. A study of music in the ancient world, and of Western music from early Christian times through the sixteenth century. Open to non-majors with consent of instructor.

435. **Baroque Music.** 3 hrs. The development of musical styles and forms from Monteverdi through J.S. Bach. Open to non-music majors with the consent of instructor.

436. **18th-Century Music.** 3 hrs. The development of classical styles and forms, emphasis on style gallant, Empfindsamer Stil, and the Viennese classicists. Open to non-music majors with consent of instructor.

437. **19th-Century Music.** 3 hrs. The development of musical romanticism, emphasis on the expression of classical forms and the appearance of new stylistic concepts. Open to non-music majors with consent of instructor.

439. **Diction.** 3 hrs. Introduction to phonetics of various foreign languages for singing. May be repeated once. Second registration permitted only when languages emphasized are different.

440. **Vocal Literature.** 2 hrs. Survey of solo vocal literature from the Renaissance to the present. Emphasis upon style, interpretation, and presentation of solo materials for all voice classifications.

441. **Vocal Literature.** 2 hrs. A continuation of MUS 440.

442. **Keyboard History and Literature I.** 3 hrs. The history and literature of keyboard music from pre-Baroque times to the present.

444. **Organ Literature.** 3 hrs. Required of all organ majors.

446. **Instrumental Literature.** 2 hrs. Required of all senior instrumental majors.

448. **Choral Literature I.** 3 hrs. A survey of choral literature. Study will include materials suitable for school and church choirs as well as standard masterworks.

449. **Choral Literature II.** 3 hrs. Selected topics in Choral Literature, post-Baroque.

450. **Symphonic Literature.** 3 hrs. History and literature of the symphony orchestra from 1600 to the present. Open to non- music majors with consent of instructor.

451. **Chamber Music Literature.** 3 hrs. A survey of music for small instrumental ensembles. Open to non-music majors with consent of instructor.

453. **Church Music Literature and Materials.** 3 hrs. Church music repertoire for all choirs and handbells. Supplementary materials such as teaching aids will also be included.

456. **Choral Arranging.** 2 hrs. Basic concepts and techniques of scoring for voices, with emphasis on arranging rather than on original compositions for chorus.

460. **Administration of Church Music.** 3 hrs. Administrative procedures for the total music program of the church, including basic philosophy, planning, budgeting, promotion, training music leaders, and developing program goals.

462. **Hymnology.** 3 hrs. History of the Christian hymn from its roots to present-day form.

467. **Improvisation.** 1 hr. A continuation of MUS 368.

468. **Improvisation.** 1 hr. A continuation of MUS 467.

470. **Organization and Management of Jazz Ensembles.** 3 hrs. Studies in general management of commercial and academically- oriented jazz groups.

471. **Seminar in Masterpieces of Music.** 3 hrs. Prerequisite: MUS 232 or consent of instructor. A thorough exploration of major compositions. May be taken two times. May be taken by non-music majors.

475. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 376.

476. **Advanced Techniques of Scoring for Jazz Ensembles.** 2 hrs. A continuation of MUS 475.

492. **Special Problems.** 1-3 hrs. Prerequisite: Permission of department chair.

499. **British Studies in Music.** 3-6 hrs. Prerequisite: MUS 202 and MUS 232, and/or approval of instructor. A contemporary view of opera, orchestral, instrumental/chamber, and popular music examining Britain's historical musical heritage in terms of its impact on current artistic trends.

MUSIC EDUCATION (MED—680)

100. **Introductory Class Piano.** 2 hrs. Beginning class instruction in piano for non-music majors. Credit may not be applied toward a degree in Music or Music Education.

101. **Class Piano I.** 1 hr. Beginning class instruction in piano for music majors. Non-majors may be admitted with permission of instructor.

102. **Class Piano II.** 1 hr. Prerequisite: MED 101 or permission of instructor. Intermediate class instruction in piano.

130. **Reedmaking I: Oboe and Bassoon.** 1 hr. Development of basic skills required to produce double reeds: forming, scraping, repairing.

201. **Class Piano III.** 1 hr. Prerequisite: MED 102 or permission of instructor. Advanced class instruction in piano.

202. **Class Piano IV.** 1 hr. Prerequisite: MED 201 or permission of instructor. Advanced class instruction in piano; prepares music educators to pass a piano competency test.

219. **Guitar Class I.** 1 hr. Class instruction in guitar for beginners.

220. **Guitar Class II.** 1 hr. Prerequisite: MED 219 or approval of instructor. Intermediate class instruction in guitar.

221. **String Class.** 1 hr. Practical class instruction on all strings. Problems of beginning students; material for public school classes.

222. **String Class.** 1 hr. A continuation of MED 221.

301. **Voice Class.** 2 hrs. Designed to give the instrumental major a general knowledge of vocal and choral techniques.

311. **Elementary Music Methods.** 3 hrs. Prerequisite: MED 102, Group Piano II. Music education programs for the elementary student. Emphasis is placed on the total curriculum.

312. **Secondary Music Methods.** 3 hrs. Prerequisite: MED 311. Consideration of the secondary music program. Special attention is given to the development of a balanced curriculum.

330. **Reedmaking II: Oboe and Bassoon.** 1 hr. Developing advanced techniques in making and finishing double reeds; fashioning and adapting alternate reed designs will be covered.

331. **Choral Conducting I.** 1 hr. Prerequisite: MUS 202 or consent of instructor. Techniques of choral conducting.

332. **Instrumental Conducting.** 3 hrs. Techniques used in conducting instrumental ensembles.

333. **Choral Conducting II.** 2 hrs. A continuation of MED 331. Techniques used in conducting choral ensembles.

400. **Marching Band Fundamentals.** 1 hr. Techniques for teaching marching band: music selection, rehearsal organization, and charting.

401. **Marching Band Methods.** 3 hrs. Techniques for developing marching band programs. Emphasis on music selection, rehearsal organization, and drill charting techniques. Provides tools for administering and directing marching band programs.

402. **Advanced Computer-assisted Marching Band Drill Design.** 3 hrs. Introduction to writing marching band design. Provides charting-proficient student with skills in developing form and flow. Includes computer lab time.

410. **Teaching and Learning Music.** 2 hrs. Prerequisites: MED 312. Basic sequence of Education Core and COMP test. Principles, goals, objectives and evaluation of music teaching. Must be taken concurrently with MED 493 and MED 494.

411. **Choral Methods and Curriculum Problems.** 3 hrs. Organization and administration of choral activities in secondary schools.

412. **Instrumental Methods and Curriculum I.** 3 hrs. Techniques of developing successful concert bands and orchestras. Emphasis on woodwinds and brass.

413. **Instrumental Methods and Curriculum II.** 3 hrs. Prerequisite: MED 412. Continuation of MED 412.

427. **Percussion Class.** 1 hr. Review of percussion texts, techniques, and pedagogy. Percussion majors may substitute a brass, string, or woodwind minor instrument for MED 427.

428. **Percussion Class.** 1 hr. A continuation of MED 427.

429. **Piano Tuning and Repair.** 3 hrs. Prerequisite: Approval of instructor. Study of basic technique of tuning and repairing pianos.

438. **Band Literature.** 2 hrs. A study of masterworks for band.

440. **Music Education in the Elementary Schools.** 3 hrs. Prerequisites: MED 311, 312. An in-depth course which examines current techniques and methods of music programs in upper and lower elementary grades.

450. **Vocal Pedagogy.** 2 hrs. Techniques, practices, and materials used in teaching voice; practical experience in teaching voice.

451. **Vocal Pedagogy.** 2 hrs. Prerequisite: MED 450. A continuation of MED 450.

452. **Piano Pedagogy.** 2 hrs. Modern methods of teaching; lectures, observation of private and class lessons; teaching piano to adults. Required of all senior piano majors.

453. **Piano Pedagogy.** 2 hrs. A continuation of MED 452.

454. **Organ Pedagogy.** 2 hrs. Required of all senior organ majors.

455. **Organ Pedagogy.** 2 hrs. A continuation of MED 454.

456. **String Pedagogy.** 2 hrs. Required of all senior string majors.

458. **Wind/Percussion Pedagogy.** 2 hrs. Required of all senior wind/percussion majors.

490. **Piano Workshop.** 2 hrs. A continuation of MED 390. Credit for this course may not be applied toward degrees in Music and Music Education.

491. **Instrumental Workshop.** 2 hrs. A continuation of MED 391. Credit for this course may not be applied toward degrees in Music and Music Education.

492. **Choral Workshop.** 1-3 hrs. A continuation of MED 392. Credit for this course may not be applied toward degrees in Music and Music Education.

+ 493. **Student Teaching in Music Education I.** 7 hrs. Prerequisite: Must have passed Piano Competency Examination, a test that measures whether the student has met the expectations of MED 202, Class Piano IV.

494. **Student Teaching in Music Education II.** 7 hrs. Continuation of MED 493.

MUSIC PERFORMANCE STUDIES (MUP—670)

Applied Music

First Year

101-102- +103. **Piano.** 1-3 hrs.

104-105- +106. **Harpsichord.** 1-3 hrs.

111-112- +113. **Organ.** 1-3 hrs.

114-115- +116. **Flute.** 1-3 hrs.

117-118- +119. **Oboe.** 1-3 hrs.

120-121- +122. **Clarinet.** 1-3 hrs.

123-124- +125. **Saxophone.** 1-3 hrs.

126-127- +128. **Bassoon.** 1-3 hrs.

129-130- +131. **Horn.** 1-3 hrs.

132-133- +134. **Trumpet.** 1-3 hrs.

135-136- +137. **Trombone.** 1-3 hrs.

138-139- +140. **Euphonium.** 1-3 hrs.
141-142- +143. **Tuba.** 1-3 hrs.
144-145- +146. **Violin.** 1-3 hrs.
147-148- +149. **Viola.** 1-3 hrs.
150-151- +152. **Cello.** 1-3 hrs.
153-154- +155. **String Bass.** 1-3 hrs.
156-157- +158. **Percussion.** 1-3 hrs.
161-162- +163. **Voice.** 1-3 hrs.
164-165- +166. **Harp.** 1-3 hrs.
167-168- +169. **Guitar.** 1-3 hrs.
191-192- +193. **Composition.** 1-3 hrs.
299. **Recital Class.** 1 hr. (Two semesters)

Second Year

201-202. **Piano.** 1-3 hrs.
204-205. **Harpsichord.** 1-3 hrs.
211-212. **Organ.** 1-3 hrs.
214-215. **Flute.** 1-3 hrs.
217-218. **Oboe.** 1-3 hrs.
220-221. **Clarinet.** 1-3 hrs.
223-224. **Saxophone.** 1-3 hrs.
226-227. **Bassoon.** 1-3 hrs.
229-230. **Horn.** 1-3 hrs.
232-233. **Trumpet.** 1-3 hrs.
235-236. **Trombone.** 1-3 hrs.
238-239. **Euphonium.** 1-3 hrs.
241-242. **Tuba.** 1-3 hrs.
244-245. **Violin.** 1-3 hrs.
247-248. **Viola.** 1-3 hrs.
250-251. **Cello.** 1-3 hrs.
253-254. **String Bass.** 1-3 hrs.
256-257. **Percussion.** 1-3 hrs.
261-262. **Voice.** 1-3 hrs.
264-265. **Harp.** 1-3 hrs.
267-268. **Guitar.** 1-3 hrs.
291-292. **Composition.** 1-3 hrs.
299. **Recital Class.** 1 hr. (Two semesters)

Third Year

301-302- +303. **Piano.** 1-3 hrs.
304-305- +306. **Harpsichord.** 1-3 hrs.
311-312- +313. **Organ.** 1-3 hrs.
314-315- +316. **Flute.** 1-3 hrs.
317-318- +319. **Oboe.** 1-3 hrs.
320-321- +322. **Clarinet.** 1-3 hrs.
323-324- +325. **Saxophone.** 1-3 hrs.
326-327- +328. **Bassoon.** 1-3 hrs.

329-330- +331. **Horn.** 1-3 hrs.

332-333- +334. **Trumpet.** 1-3 hrs.

335-336- +337. **Trombone.** 1-3 hrs.

338-339- +340. **Euphonium.** 1-3 hrs.

341-342- +343. **Tuba.** 1-3 hrs.

344-345- +346. **Violin.** 1-3 hrs.

347-348- +349. **Viola.** 1-3 hrs.

350-351- +352. **Cello.** 1-3 hrs.

353-354- +355. **String Bass.** 1-3 hrs.

356-357- +358. **Percussion.** 1-3 hrs.

361-362- +363. **Voice.** 1-3 hrs.

364-365- +366. **Harp.** 1-3 hrs.

357-368- +369. **Guitar.** 1-3 hrs.

370. **Recital.** 0-1 hr.

375-376. **Accompanying.** 1 hr.

391-392- +393. **Composition.** 1-3 hrs.

499. **Recital Class.** 1 hr. (Two semesters)

Fourth Year

395. **Music Education Recital.** 0 hrs. Students seeking the Bachelor of Music Education degree must present a half-recital (i.e., thirty minutes), open to the public, that is graded "Satisfactory" by the appropriate faculty area.

401-402. **Piano.** 1-3 hrs.

404-405. **Harpsichord.** 1-3 hrs.

411-412. **Organ.** 1-3 hrs.

414-415. **Flute.** 1-3 hrs.

417-418. **Oboe.** 1-3 hrs.

420-421. **Clarinet.** 1-3 hrs.

423-424. **Saxophone.** 1-3 hrs.

426-427. **Bassoon.** 1-3 hrs.

429-430. **Horn.** 1-3 hrs.

432-433. **Trumpet.** 1-3 hrs.

435-436. **Trombone.** 1-3 hrs.

438-439. **Euphonium.** 1-3 hrs.

441-442. **Tuba.** 1-3 hrs.

444-445. **Violin.** 1-3 hrs.

447-448. **Viola.** 1-3 hrs.

450-451. **Cello.** 1-3 hrs.

453-454. **String Bass.** 1-3 hrs.

456-457. **Percussion.** 1-3 hrs.

461-462. **Voice.** 1-3 hrs.

464-465. **Harp.** 1-3 hrs.

467-468. **Guitar.** 1-3 hrs.

470. **Recital.** 1-2 hrs.

475-476. **Accompanying.** 1 hr.

491-492. **Composition.** 1-3 hrs.

494. **Major Solo Role in an Opera.** 1 hr. Permission of instructor and major applied teacher. Simultaneous enrollment in Opera Theatre is required.

499. **Recital Class.** 1 hr. (Two semesters)

Ensembles

282. **Band.** 1 hr. (May be taken four times). (CC 1111, 1121, 2111, 2121)

283. **Southern Chorale.** 1 hr. (May be taken four times). (CC 1211, 1221, 2211, 2221)

471. **Chamber Music.** 1 hr. (May be repeated)

472. **Chamber Music: Southern Chamber Winds.** 1 hr. (May be repeated).

478. **Carillon.** 1 hr. Multiple handbell ensemble. Audition required. (May be repeated).

479. **Covenant.** 1 hr. Vocal ensemble, the repertoire of which is American sacred music. Audition required. (May be repeated).

480. **Jazz Combo.** 1 hr. (May be repeated)

481. **Orchestra.** 1 hr. (May be repeated)

482. **Band.** 1 hr. (May be repeated)

483. **Southern Chorale.** 1 hr. (May be repeated)

484. **Jazz Lab Band.** 1 hr. (May be repeated)

485. **Collegium Musicum.** 1 hr. (May be repeated)

486. **Oratorio Chorus.** 1 hr. (May be repeated)

488. **University Singers.** 1 hr. (May be repeated)

489. **Chamber Singers.** 1 hr. An ensemble functioning in various ways such as madrigal singers, jazz choir, opera chorus. (May be repeated)

490. **Opera Theatre.** 1 hr. (May be repeated)

NURSING (NSG—070)

NOTE: Students must be advised by a nursing faculty adviser for progression through the nursing program.

307. **Commonalities in Nursing Practice.** 4 hrs. Prerequisites: Permission of instructor. Understanding of common factors permeating all areas of nursing practice. (R.N.'s only)

312. **Introduction to the Role of the Professional Nurse.** 3 hrs. Prerequisite: Admission to upper division nursing major. This course serves as an introduction to nursing as a professional discipline.

322. **Nursing Health Assessment.** 3 hrs. Two classroom and 3 laboratory contact hours per week. Prerequisite: admission to nursing major or permission of instructor and BSC 250, 250L and BSC 251, 251L. Nursing assessment across the life cycle.

323. **Introduction to Nursing Practice.** 3 hrs. Prerequisite: admission to nursing major. Corequisite: NSG 323-L. Concepts and techniques common to the practice of professional nursing across the life cycle.

323-L. **Introduction to Nursing Practice Laboratory.** 4 hrs. Eight clinical contact hours per week. Corequisite: NSG 323.

326. **Research.** 2 hrs. Prerequisite: NSG 312. An exploration of the research process with emphasis on applicability to nursing process. (Must be completed before N412 and N413.)

+327. **Nursing Care of Women and Developing Families.** 4 hrs. Four theory contact hours per week. Prerequisites: NSG 322, 323, and 350. Co-requisite:NSG 352. Application of the nursing process with women and child bearing families.

327-L. **Nursing Care of Women and Developing Families Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite to NSG 327.

328. **Primary Adult Health Nursing.** 4 hrs. Four theory contact hours per week. Prerequisite: NSG 322, 323, and 350. Co-requisite:NSG 352.Management of client with altered endocrine, Cardiovascular, respiratory, sensory, pancreatic- hepatobiliary functions and immunologic problems.

328-L. **Primary Adult Health Nursing Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite: NSG 328.

350. **Pathophysiology I.** 2 hrs. Prerequisites: eligible for admission to nursing major or permission of instructor and BSC 250, 250L and BSC 251, 251L. An analysis of altered body physiology in health deviations.

352. **Pathophysiology II.** 2 hrs. Prerequisites: eligible for admission to nursing major or permission of instructor and BSC 250, 250L and BSC 251, 251L and NSG 350. A continuation of altered body physiology in health deviations.

+361. **Medical-Surgical Nursing.** 10 hrs. Permission of instructor. The focus is on the nursing care of clients in a variety of settings and various stages of the wellness-illness continuum. (R.N.'s only)

+362. **Psychiatric Nursing.** 6 hrs. Permission of instructor. This course reflects the broad spectrum of psychological wellness-illness. (R.N.'s only)

+363. **Maternal-Child Nursing.** 10 hrs. Permission of instructor. The course is in two parts; nursing care of the childbearing woman and nursing care of children at various stages of health and wellness. (R.N.'s only)

403. **Approaches to Nursing.** 3 hrs. Prerequisites: Admission to nursing major and successful completion of all non-nursing courses. Personal, philosophical, and theoretical approaches to nursing. (R.N.'s only)

406. **Death and Bereavement.** 3 hrs. An examination of research and theory related to death and bereavement.

+412. **Child Health Nursing.** 4 hrs. Four theory contact hours per week. Prerequisites: NSG 326, 327, 328. Application of the nursing process with children and their families.

412-L. **Child Health Nursing Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite: NSG 412.

+413. **Psychiatric/Mental Health Nursing.** 4 hrs. Four theory contact hours per week. Prerequisites: NSG 326, 327, 328. Application of the nursing process with clients experiencing psychiatric/mental health disorders.

413-L. **Psychiatric/Mental Health Nursing Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite: NSG 413.

419. **The Computer as a Nursing Tool.** 3 hrs. Exposure to the computer and examination of nursing applications.

+427. **Community Health Nursing.** 4 hrs. Four theory contact hours per week. Prerequisites: NSG 412, 413. RN Prerequisite: NSG 322. Application of the nursing process with individuals, families and groups in the community.

427-L. **Community Health Nursing Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite: NSG 427.

+428. **Complex Adult Health Nursing.** 3 hrs. Three theory contact hours per week. Prerequisites: NSG 412, 413, 429. Application of nursing process to adults with complex and life-threatening health deviations.

428-L. **Complex Adult Health Nursing Laboratory.** 3 hrs. Six clinical contact hours per week. Corequisite: NSG 428.

429. **Leadership Role of the Professional Nurse.** 3 hrs. Three theory contact hours per week. Exploration of the role of the professional nurse as a leader. (Must be completed prior to NSG 428.)

430-L. **Role Transition Preceptorship.** 4 hrs. Prerequisite: Successful completion of all other nursing courses. Facilitate role transition in the management of groups of patients using the nursing process.

436. **Hospice: Concept and Application.** 3 hrs. Prerequisite: Senior Level. Explores concept and operationalization with emphasis on legislation, funding, referrals, advocacy.

437. **Abusive Behavior: An Exploration.** 3 hrs. An interdisciplinary exploration of abusive behavior across the life span.

438. **Health Financing.** 3 hrs. Prerequisite: Admission to the Nursing Major. Survey of health economics, finance theory, cost control, prospective reimbursement, trends. (RN's only.)

439. **Legal-Ethical Issues in Nursing Practice.** 3 hrs. Provides basic knowledge of legal and ethical issues confronting nurses.

440. **Oncology Nursing.** 3 hrs. Major issues relevant to the care of the oncology patient will be examined.

450. **Health Care of the Aged.** 3 hrs. Implications for Nursing regarding the health problems of the aged.

452. **Teaching in Nursing.** 3 hrs. Elective. Basic principles of learning and teaching as applied to nursing.

465. **Complex Health Care Concepts.** 3 hrs. Prerequisite: Admission to the nursing major, NSG 322. Corequisite: NSG 465L. A course designed to assist the registered nurse student to gain the knowledge

and clinical skills needed to meet the needs of clients and their families facing complex health care problems.

465-L. **Complex Health Care Practicum.** 2 hrs. Corequisite: NSG 465. Complex health care practicum for registered nurse students. (RN's only.)

469-L. **Nursing Leadership Practicum.** 2 hrs. Prerequisite: Registered nurse. Corequisite: NSG 429. This practicum assists the registered nurse student in transition to the professional nurse role. (RN's only.)

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

489. **Caribbean Studies: Health Care Delivery System.** 3 hrs. Various topics.

491. **Austrian Studies.** 3 hrs. Variable topics.

492. **Directed Study of Nursing.** 1-6 hrs. Permission of instructor required. (Students undertaking a Senior Honors Project will enroll in NSG H492 for 3 hours).

493. **Health Care of the Elderly in England.** 3 hrs. This course is designed to explore the effects on the family of providing care for the dependent elderly.

494. **Health Care in England.** 3 hrs. Comparison of health care system in the U.S. and England. Philosophies of health and nursing in a community are explored.

495. **Management and Economics of Health Care.** 3-6 hrs. Prerequisite: Senior level. U.S. and British health system, financing, administration, and nursing management.

496. **Nursing: The British Heritage.** 3-6 hrs. The evolvement of modern nursing in England within the context of international, social, economic and political events.

497. **Emergency Nursing: A British View.** 3 or 6 hrs. Prerequisite: Senior level. Introduction to the British health system and roles assumed by British emergency nurses.

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Senior standing or Permission of instructor. Interdisciplinary approach to the study of families of the developmentally disabled.

499. **British Studies: Hospice Study and Experience.** 3 hrs. Prerequisite: Permission of instructor. Introduction to hospice concept and symptom control in special units, hospitals and homes. British caregivers will present origin and current application of hospice concept.

NUTRITION AND FOOD SYSTEMS (NFS—815)

167. **Nutrition for Living.** 1 hr. A study of nutrition concepts relating to health and human wellness. (HPR 1241, 1751)

261. **Meal Management.** 3 hrs. Prerequisite: HRT 272, 272L. Management of resources: time, energy, and money, in selection, purchasing, preparation, and serving of foods; cultural aspects of meal planning. Includes laboratory. (CC 2213)

265. **Orientation to Dietetics.** 1 hr. Study of dietetics and careers in the profession.

362. **Nutrition.** 3 hrs. Study of the body's need for foods, including the chemistry of digestion, metabolism, and nutritive requirements of the body during the life cycle.

363. **Maternal and Child Nutrition.** 3 hrs. A study of the nutritional requirements and food habits of mothers and their infants and children through adolescence.

364. **Teaching Food and Nutrition in the Elementary Grades.** 3 hrs. Course planned to give understanding of materials and methods for teaching nutrition at this level.

367. **Nutrition in Health Care.** 3 hrs. Study of the science of nutrition and its application for health care providers.

410. **Intermediate Nutrition.** 3 hrs. Prerequisites: CHE 321, NFS 362 or 367. The study of specific nutrient effects on human metabolism. Metabolic pathways are explored and the roles of specific nutrients in these pathways are discussed.

420. **Nutrition in the Life Cycle.** 3 hrs. Prerequisite: BSC 250, 251; CHE 251; NFS 362 or 367. Study of the role of nutrition in health, growth, and development at each stage of the life cycle.

420-L. **Nutrition in the Life Cycle Laboratory.** 2 hrs. Corequisite: NFS 420 and permission of instructor. Applied nutrition course to develop skills in interviewing, counseling, and basic assessment of nutritional status of healthy individuals.

430. **Experimental Foods.** 3 hrs. Prerequisites: NFS 362 or 367 and CHE 251, 251L. Study of selected nutritional, chemical, physical, and sensory properties of foods in relation to preparation procedures. Includes laboratory.

450. **Research Methods for Food Service Management.** 2 hrs. Prerequisites: HRT 440, 440-L, and MKT 300. An exploration of research methods used in food service operations. Emphasis on planning and implementing studies to ascertain customer food preferences, habits and satisfaction.

451. **Contemporary Issues in Food Service Management.** 1 hr. Prerequisites: Senior standing and HRT 440 and 440-L. Topics of current interest in the food service industry. May be repeated for a maximum of 3 hrs.

460. **Advanced Nutrition.** 3 hrs. Prerequisites: NFS 410, CHE 420, and a course in physiology. Biochemical and physiological interactions among vitamins, carbohydrates, protein, fats and elements in relation to nutritional requirements and utilization.

461. **Clinical Nutrition.** 3 hrs. Prerequisites: NFS 362 or 367, CHE 420, and a course in physiology. Biochemical and physiological bases for dietary treatment of various disease states.

461-L. **Clinical Nutrition Laboratory.** 2 hrs. Corequisite: NFS 461 and admission to the Coordinated Program in Dietetics. Application of dietetics in a hospital setting.

462. **Food Preservation.** 3 hrs. Study of methods and techniques of preserving foods and its storage. Convenience foods studies.

463. **Community Nutrition.** 3 or 5 hrs. Prerequisite: NFS 420, or permission of instructor. Study of nutrition assessment methodology and resources available within the community.

464. **Clinical Dietetics.** 4-15 hrs. Permission of instructor required. Prerequisites: NFS 410 and 461. Study of disease states and dietary management in clinical settings.

465. **Seminar.** 1 hr. Prerequisite: NFS 362 and CHE 321. Selected topics in nutrition. May be repeated for a total of 3 semester hours.

467-L. **Practicum in Dietetics.** 3-6 hrs. Prerequisites: NFS 464 and NFS 477. Application of dietetics in selected health care settings.

473. **Food Systems Management.** 6 hrs. Prerequisite: HRT 340, 340L. Organization and management of food service operations; cost control techniques; layout and equipment; and human relations.

477. **Administrative Dietetics.** 3-6 hrs. Prerequisite: HRT 440, 440L. Permission of instructor. Study and application of management theory and techniques in the supervision of food service personnel.

490. **Practicum in Food Service Management.** 4 hrs. Prerequisites: Senior standing and HRT 445 and NFS 450. Supervised experience in a quantity food service system.

492. **Special Problems in Food and Nutrition.** 1-4 hrs. Prerequisite: Senior standing and permission of the instructor. (Students undertaking a Seniors Honors Project will enroll in NFS H492.)

PARALEGAL STUDIES (PLS—282)

381. **Introduction to Paralegalism.** 3 hrs. An introduction to the profession, including history and development, ethics, the American legal system, and paralegal skills.

382. **Civil Litigation.** 3 hrs. An introduction to civil litigation—the process of resolving disputes between individuals, businesses, and government through the court system, with emphasis on procedure.

383. **Legal Research.** 3 hrs. A summary of primary and secondary legal sources including reports, digests, statutes, citations, and other basic materials used in legal research.

384. **Legal Drafting.** 3 hrs. An introduction to writing legal memoranda, briefs, and other documents used in civil and criminal practice.

386. **Equity Practice.** 3 hrs. A study of the documents and procedures used in equity law.

387. **Title Searching and Loan Document Preparation.** 3 hrs. An introduction to the procedure of title searching and the preparation of loan closing documents.

388. **Commercial Skills for Paralegals.** 3 hrs. An introduction to the formation of corporations, bankruptcy, and debtor-creditor law.

389. **Internship in Paralegal Studies.** 3-9 hrs. Prerequisites: PLS 381, 382, 383, and 384 and permission of the Director. The course is open only to paralegal majors and minors.

PHILOSOPHY (PHI—284)

151. **Introduction to Philosophy.** 3 hrs. An introduction to the methods and major themes of philosophy. (CC 2113, 2153)

253. **Logic.** 3 hrs. An introduction to induction, deduction, fallacies, scientific method, and symbolic logic. (CC 2713)

300. **Business Ethics.** 3 hrs. A philosophical exploration of how to recognize, analyze, and implement ethical decisions within the multivalued contexts of the various fields of business. May not be taken as a substitute for PHI 151.

316. **Philosophy of Science.** 3 hrs. An introduction to the study of scientific method, the nature of science, and the relationship of science to other academic disciplines and to culture at large.

352. **Asian Thought.** 3 hrs. A survey of the thought of India and the Far East.

353. **Study of a Major Philosopher.** 3 hrs. May be repeated for credit to a total of nine hours. A detailed examination of a selected philosopher.

356. **Ethics.** 3 hrs. An examination of classical and contemporary moral theory.

372. **Philosophy of Religion.** 3 hrs. An examination of classical problems in philosophical theology.

406. **Philosophy of Man.** 3 hrs. Philosophical consideration of the nature of man including topics in philosophical anthropology and philosophy of mind.

410. **Classical Philosophy.** 3 hrs. An outline survey of Greek philosophical thought.

412. **Modern Philosophy.** 3 hrs. Survey of 17th and 18th century European philosophy.

420. **Metaphysics.** 3 hrs. Analysis of classical and contemporary problems in metaphysics.

436. **Aesthetics.** 3 hrs. Philosophical analysis of theories of art and beauty.

440. **American Philosophy.** 3 hrs. Survey of the development of philosophy in America and major American philosophers.

450. **Existentialism and Phenomenology.** 3 hrs. An examination of the central themes in contemporary European existentialism and phenomenology.

451. **Political Philosophy.** 3 hrs. The major schools of political philosophy from classical to contemporary times.

452. **Health Care Ethics.** 3 hrs. A study of the moral dimensions of health care practice, choices confronting professionals and patients, and the role of health care in society.

453. **Philosophy of Law.** 3 hrs. An inquiry into theories of law.

457. **Environmental Ethics.** 3 hrs. An examination of human responsibilities for nature; the impact of civilization on the natural world; formulation of ethical principles and policies.

458. **Symbolic Logic.** 3 hrs. The basic theory and operations of the propositional calculus, quantification, and the logic of relations.

460. **20th Century Philosophical Issues.** 3 hrs. An examination of the central themes in contemporary philosophy.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the department chairman. May be taken for a total of nine hours. (Students undertaking a Senior Honors Project will enroll in PHI H492.)

499. **British Studies: Philosophy.** 3-6 hrs. An introduction to the language and techniques of philosophy relevant to practical, critical problems.

PHYSICS (PHY—360)

103. **Introductory Physics.** 3 hrs. Prerequisite: MAT 101. A survey of physics principles for non-science majors. Credit for this course may not be applied toward degrees in the College of Science and Technology.

103-L. **Introductory Physics Laboratory.** 1 hr. Corequisite: PHY 103.

111. **General Physics.** 3 hrs. Prerequisites: MAT 101, 103. Corequisite: PHY 111-L. A traditional course in physics intended for liberal arts and pre-medical students. (CC 2414)

111-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 111.

112. **General Physics.** 3 hrs. Prerequisite: PHY 111. Corequisite: PHY 112-L. A continuation of PHY 111. (CC 2424)

112-L. **General Physics Laboratory.** 1 hr. Corequisite: PHY 112.

201. **General Physics with Calculus.** 4 hrs. Corequisite: MAT 178 and PHY 201-L. A rigorous course in physics recommended for physics majors. Required for pre-engineering students. (CC 2514)

201-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 201.

202. **General Physics with Calculus.** 4 hrs. Prerequisite: PHY 201. Corequisite: PHY 202-L. A continuation of PHY 201. (CC 2524)

202-L. **General Physics with Calculus Laboratory.** 1 hr. Corequisite: PHY 202.

327. **Electronics I.** 3 hrs. Prerequisite: PHY 112 or 202. Corequisite: PHY 327L. Fundamentals of vacuum and semiconductor devices with applications to scientific instrumentation.

327-L. **Electronics I Laboratory.** 1 hr. Corequisite: PHY 327.

328. **Electronics II.** 3 hrs. Prerequisite: PHY 327. Corequisite: PHY 328L. A continuation of PHY 327.

328-L. **Electronics II Laboratory.** 1 hr. Corequisite: PHY 328.

332. **Thermodynamics and Statistical Mechanics.** 5 hrs. Prerequisites: PHY 202 and 361. Temperature, thermodynamic principles, and the application of statistics to classical and quantum systems.

341. **Optics.** 3 hrs. Prerequisite: PHY 112 or 202. Corequisite: PHY 341L. Rays, refractive and reflective surfaces, lens design, and the electromagnetic theory of light.

341-L. **Optics Laboratory.** 1 hr. Corequisite: PHY 341.

350. **Mechanics.** 3 hrs. Prerequisites: PHY 202, MAT 179. Corequisite: MAT 280. Mathematical treatment of the dynamics of particles and rigid bodies.

351. **Mechanics.** 3 hrs. Prerequisite: PHY 350. A continuation of PHY 350.

361. **Elementary Modern Physics.** 3 hrs. Prerequisite: PHY 112 or 202. Survey of atomic particles, radiation, and x-rays. Optical Spectra.

361-L. **Elementary Modern Physics Laboratory.** 1 hr. Corequisite: PHY 361.

392. **Physics Special Problems.** 1-3 hrs. Prerequisite: Permission. Theoretical and experimental problems limited to junior and senior students.

421. **Electricity and Magnetism.** 3 hrs. Prerequisites: PHY 351, MAT 385. Vector analysis, electrostatics, magnetostatics, and electromagnetic fields.

422. **Electricity and Magnetism.** 3 hrs. Prerequisite: PHY 421. A continuation of PHY 421.

435. **Principles of Microwave Systems.** 3 hrs. Prerequisite: PHY 327. Introduction to microwave theory, basic design of microwave systems.

451. **Physical Applications of the Fourier Transform.** 3 hrs. Prerequisites: MAT 280 and PHY 202. Convolution, deconvolution of physical signals and introduction to sampling.

455. **Fluid Dynamics.** 3 hrs. Prerequisites: PHY 350 and MAT 385. A mathematical development of the physical principles governing fluid flow.

460. **Advanced Physics Laboratory.** 2 hrs. Prerequisites: Permission and Senior Standing. Advanced experiments in modern physics.

461. **Quantum Mechanics.** 5 hrs. Prerequisites: PHY 351 and 361. Quantum theory, spectroscopy, and atomic and nuclear structure.

464. **Fundamentals of Solid State Physics.** 3 hrs. Prerequisites: PHY 351 and 361.

465. **Nuclear Physics.** 3 hrs. Prerequisites: PHY 350 and 361. Nuclear binding forces, chain reactions, and nuclear reactors.

485. **History and Literature of Physics.** 3 hrs. Prerequisite: PHY 112 or 202. A survey of physics from the ancients to the present.

499. **Undergraduate Research.** 1-6 hrs. Prerequisite: Permission. An introduction to the methods of physical research. (Students undertaking a Senior Honors Project will enroll in PHY H499.)

PLANNING (PLG—260)

360. **Introduction to Community and Regional Planning.** 3 hrs. A review of the fundamentals and historic development of community and regional planning.

450. **Grantsmanship.** 3 hrs. Identification and analysis of funding programs supporting community and regional development. Exercises in grant writing and management.

461. **Socioeconomic Planning.** 3 hrs. Compilation, analyses and projection of population, and economic variables as they relate to community and regional planning.

462. **Environmental Planning.** 3 hrs. A detailed study of environmental planning analysis and methodology as an element in land-use decision-making systems.

463. **Planning Methods.** 3 hrs. An introduction to basic methods and techniques used in planning and policy analysis.

464. **Community Infrastructure.** 3 hrs. Examination and analysis of housing, transportation, and community facilities planning, development, and operations.

465. **Land Use Planning and Policy.** 3 hrs. Consideration of various legal and institutional tools related to implementation of community and regional plans.

466. **Planning Agency Management.** 3 hrs. An analysis of the management and operation procedures of community and regional planning organizations.

469. **Studio-Laboratory: Plan Preparation.** 3 hrs. Preparation and presentation of a professional plan as a collaborative community/student group effort. May be repeated with change of content for a total of six (6) hours.

470. **Planning Theory and Practice.** 3 hrs. A study of the development of planning theory and practice and the contributions various professions and academic disciplines have made to the planning profession.

491. **Planning Internship.** 1-9 hrs. May be repeated for a total of nine hours.

492. **Special Problems.** 1-6 hrs. May be repeated for a total of six hours.

499. **Comparative Urban Planning.** 3-6 hrs. This course focuses on urban planning and the development of the urban landscape in the British Isles. Includes lectures, field trips, and directed research.

POLITICAL SCIENCE (PS—280)

101. **American Government.** 3 hrs. (CC 1113, 1153)

220. **Introduction to Political Science.** 3 hrs. A survey of the general field of study of political science to prepare students for subsequent study in a specific subject and field. (CC 2213)

291. **Research in Political Science.** 1 hr.

301. **State and Local Politics.** 3 hrs.

302. **Current Problems in Government.** 3 hrs. A study of current problems before the national, state, and local governments at the time the course is taught.

303. **American Political Movements.** 3 hrs. A study of Afro- American, Old and New Left, Radical Right, Counter-Culture, and Feminist movements.

320. **Introduction to Political Theory.** 3 hrs. A survey of the principal political ideologies in the world today.

330. **United States Foreign Policy.** 3 hrs.

331. **Introduction to International Politics.** 3 hrs.

351. **Introduction to Comparative Government.** 3 hrs. A classification of selected political systems analyzed in the context of different economic and political cultures.

370. **Introduction to Public Administration.** 3 hrs.

375. **Government and Economics.** 3 hrs.

380. **Introduction to Law in American Society.** 3 hrs. A basic course to familiarize students with the court structure, the legal profession, and the role of law in American society.

401. **Political Socialization.** 3 hrs. An analysis of the American political system on an advanced level.

402. **Urban Politics.** 3 hrs.

404. **The Legislative Process.** 3 hrs.

405. **Women and Politics.** 3 hrs.

406. **Political Parties.** 3 hrs.

407. **Mississippi Government.** 3 hrs.

408. **The American Presidency.** 3 hrs. An analysis of the selection, role, power, and performance of the presidency.

409. **Southern Politics.** 3 hrs. An examination of the politics and political culture of the southern states.

420. **Political Theory to Locke.** 3 hrs.

421. **Political Theory Locke to Present.** 3 hrs.

425. **American Political Theory.** 3 hrs.

431. **International Law and Organization.** 3 hrs.

432. **Foreign Policies of the Major Powers.** 3 hrs. An intensive analysis of the pattern of politics resulting from the formation of the two major power blocs and lesser blocs.

435. **Comparative Foreign Policy.** 3 hrs.

450. **Comparative Studies in European Politics.** 3 hrs.

451. **Governments of Eastern Europe.** 3 hrs.

452. **The Political Systems of Great Britain and the Commonwealth.** 3 hrs.

456. **Latin American Governments and Politics.** 3 hrs.

457. **Political Development.** 3 hrs. A comparative analysis of political change and modernization.

458. **Latin American Political and Economic Development.** 3 hrs.

471. **Public Personnel Administration.** 3 hrs.

472. **Organization and Management.** 3 hrs.

473. **Public Policy.** 3 hrs.

474. **The Politics of Taxing and Spending.** 3 hrs. Facets of budgetary administration, emphasizing federal and municipal budgets, theory, and process.

480. **United States Constitutional Law.** 3 hrs.

481. **The American Judicial Process.** 3 hrs.

484. **Administrative Law.** 3 hrs.

485. **International Law.** 3 hrs.

488. **Jurisprudence. 3** hrs.

489. **U. S. Supreme Court and Civil Liberties.** 3 hrs. An analysis of the role of the U. S. Supreme Court in protecting individual rights. Primary focus is on litigation involving provisions of the Bill of Rights.

491. **Proseminar in Political Science.** 3 hrs. Prerequisite: Consent of instructor. An undergraduate seminar devoted to topics selected by the supervising professor. May be repeated once for credit with change in content.

492. **Special Problems.** 1-3 hrs. (Student undertaking a Senior Honors Project will enroll in PS H 492.)

497. **Government-Business Relations in Japan.** 3 hrs. An on-site analysis of business and government linkage in Japan offered under the auspices of the Center for International Education.

499. **Seminar in British Politics.** 3-6 hrs. Prerequisite: PS 351 or PS 452, or permission of instructor. A seminar conducted in Great Britain under the auspices of the Anglo- American Institute.

POLYMER SCIENCE (PSC—370)

(See also FORENSIC SCIENCE)

191. **The Polymer Industry I.** 2 hrs. An introduction to the history, recent developments, applications, and processing of polymers.

291. **The Polymer Industry II.** 2 hrs. An introduction to the properties of major commercial polymers, raw material sources, and the organization of the polymer industry. This course includes computer modeling and computations.

301. **Organic Polymer Chemistry I.** 3 hrs. Prerequisites: CHE 256 and CHE 256L. Systematic study of polymers with emphasis centered on those synthesized by step-growth polymerization.

302. **Organic Polymer Chemistry II.** 3 hrs. Prerequisite: PSC 301. A study of polymer formation techniques, kinetics, and properties with emphasis on addition polymerization, copolymerization, and stereoregular polymerization.

310. **Technical and Scientific Communication.** 1 hr. Training in the preparation of written and oral reports on scientific and technical problems.

341-L. **Polymer Techniques I.** 2 hrs. Laboratory methods of polymer synthesis, structural determination, and characterization.

342-L. **Polymer Techniques II.** 2 hrs. Laboratory methods of polymer synthesis, structural determination, and characterization.

360. **Polymer Rheology.** 3 hrs. Prerequisites: PHY 202 and PHY 202L. Theory and practice of Newtonian and non-Newtonian fluid flow behavior.

361. **Polymer Processing.** 3 hrs. Prerequisite: PSC 360. Plastics extrusion technology and theory. Technical planning for plastics production. Material selection for plastic products. Trends in plastics industry.

361-L. **Laboratory for Polymer Science 361.** 2 hrs.

390. **Individual Research Projects in Polymer Science.** 1-6 hrs. May be repeated for credit.

401. **Physical Chemistry of Polymers I.** 3 hrs. Prerequisite: PSC 360. Polymer structure, chain conformation, solution properties, thermodynamics, fractionation, and molecular weight measurement.

402. **Physical Chemistry of Polymers II.** 3 hrs. Prerequisite: PSC 401. Instrumental analysis of polymers, morphology, rheology, structure-property relationships.

410. **Safety Principles and Procedures in the Chemical Sciences.** 1 hr. Common laboratory hazards and their remediation.

450. **Polymer Characterization.** 3 hrs. Prerequisites: PHY 202 and PHY 202L. Macromolecular chemical structure and morphological characterization using thermal, spectroscopic and x-ray diffraction techniques.

450-L. **Laboratory for Polymer Science 450.** 1 hr.

470. **Surface Coatings.** 4 hrs. Prerequisite: PSC 302. Study of the physical and chemical properties of the pigments, binders, solvents, and additives employed in surface coatings; dispersion techniques, surface preparation, paint testing, application techniques, and surface coatings analysis are also discussed.

470-L. **Laboratory for Polymer Science 470.** 1 hr.

480. **Polymer Kinetics.** 4 hrs. Introduction to polymerization kinetics and reactor design.

490. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H490.)

490-L. **Laboratory for Polymer Science 490.** 3 hrs. Prerequisite or corequisite: PSC 410.

491. **Special Projects in Polymer Science.** 1 hr. Individual research. Prospectus is prepared and research plan is executed with final report required. (Students undertaking a Seniors Honor Project will enroll in PSC H491.)

491-L. **Laboratory for Polymer Science 491.** 3 hrs. Prerequisite or corequisite: PSC 410.

PSYCHOLOGY (PSY—175)

101. **Foundations of Personal Development.** 3 hrs. An introduction to the principles of human development. Does not apply toward major requirements.

110. **General Psychology.** 3 hrs. Concurrent registration in Psy 110-L is required. Open to freshmen. An introduction to the scientific study of human behavior and experience. (JC 1513)

210. **Introduction to Social and Rehabilitation Services (SRS).** 3 hrs. Acquaints students with the broad field of SRS via a review of relevant philosophy and history, legal mandates, and the role of SRS in contemporary applied sciences. Students will be required to participate in one of two assignments designed to facilitate personal, interpersonal, and vocational development.

231. **Psychology of Personal Adjustment.** 3 hrs. Prerequisite: PSY 110. Understanding of the problems people face in our society, and the diverse ways in which they respond to these problems.

251. **Applied Psychology.** 3 hrs. Prerequisite: PSY 110. Application of psychological methods and principles to a number of occupational fields other than education.

301. **Introduction to Job Seeking.** 1 hr. Prerequisite: PSY 110. To acquaint student with job seeking techniques including (a) development of an adequate resume and (b) the acquisition of job interview skills.

310. **Advanced General Psychology.** 3 hrs. Prerequisite: PSY 110. An advanced course in general psychology covering in greater depth selected topics. Required of all psychology majors.

312. **Counseling Theory and Practice.** 3 hrs. Prerequisite: PSY 110. Emphasizes theories and principles undergirding the practical application of various helping techniques.

313. **Vocational Development.** 3 hrs. Prerequisite: PSY 110. An introduction to the study of vocational development, occupational structure, and job analysis.

320. **Experimental Psychology.** 3 hrs. Prerequisite: PSY 110,360. Concurrent registration in PSY 320-L is required. Introduction to experimental methodology and laboratory apparatus with application to various areas of psychology.

320-L. **Experimental Psychology Laboratory.** 1 hr. Prerequisite: PSY 110. Concurrent registration in PSY 320 is required.

330. **Principles and Processes of Case Management.** 3 hrs. Prerequisite: PSY 110. This course focuses on the coordination of specific functional tasks associated with rehabilitation services.

331. **Medical Aspects of Rehabilitation.** 3 hrs. Prerequisite: PSY 110. An introduction to the chronically disabling conditions both from the viewpoint of treatment processes and individual adjustment.

360. **Introduction to Statistics for the Behavioral Sciences.** 3 hrs. Prerequisite: PSY 110. Probability, central tendency, variability, and correlation. Hypothesis testing with Z, t, chi-square, and F.

370. **Child Psychology.** 3 hrs. Prerequisite: PSY 110. Study of the child through the elementary years, emphasizing principles and problems of development.

372. **Adolescent Psychology.** 3 hrs. Prerequisite: PSY 110. Psychological development of the individual during the adolescent years.

374. **Educational Psychology.** 3 hrs. Prerequisite: PSY 110 and permission of the instructor. Concurrent registration in PSY 374-L is required. Application of psychological methods, facts, and principles to education. Teacher education majors must be formally admitted to the teacher education program.

375. **Developmental Psychology.** 3 hrs. Prerequisite: PSY 110. A study of the course of growth and development throughout the life span, with emphasis on principles of development.

385. **Applied Behavior Analysis.** 3 hrs. Prerequisites: PSY 110 and permission of instructor. Application of the principles of applied behavior analysis to problems involving human behavior change.

411. **Testing and Assessment.** 3 hrs. Prerequisite PSY 110,360. Introduction to theory and techniques of psychological testing and assessment.

413. **Multicultural Counseling.** 3 hrs. Prerequisite: PSY 110. Examines cultural diversity in North American society with focus on implications for counselors and mental health service providers.

418. **History and Systems of Psychology.** 3 hrs. Prerequisite: PSY 110. Review of the history of psychology and intensive study of current systems of psychology. Primarily for senior psychology majors.

420. **Sensation and Perception.** 3 hrs. Prerequisite: PSY 110,360. A survey of sensory and perceptual processes with emphasis on the visual system.

422. **Psychology of Learning.** 3 hrs. Prerequisite: PSY 110. A study of the basic problems, theories, concepts, and research in the areas of human and animal learning.

423. **Group Procedures.** 3 hrs. Prerequisite: PSy 110. Introduction to the fundamentals of developmental group work with emphasis on individual behaviors in a group setting.

424. **Animal Behavior.** 3 hrs. Prerequisite: PSY 110. Study of animal behavior with emphasis on the comparison of psychological processes along the phylogenetic scale.

426. **Physiological Psychology.** 3 hrs. Prerequisite: PSY 110. Relationships between physiological functions, especially those of the nervous system, and emotional behavior motivation and learning.

432. **Behavioral Interventions.** 3 hrs. Prerequisite: PSY 110. An introduction to behavioral interventions as applied to normal and deviant behavior across different environmental settings.

433. **Workshop in Counseling Procedures.** 3 hrs. Prerequisite: PSY 110. A workshop to familiarize counselor personnel with new and innovative procedures in facilitating client development.

435. **Alcoholism and Drug Abuse Intervention.** 3 hrs. Prerequisite: PSY 110. Intervention strategies with emphasis on the alcoholic.

436. **Abnormal Psychology.** 3 hrs. Prerequisite: PSY 110. An introduction to the study of abnormal behavior.

450. **Social Psychology.** 3 hrs. Prerequisite: PSY 110. Study of social influences on personality development and perceptual- cognitive processes and social motivation.

451. **Industrial Psychology.** 3 hrs. Prerequisite: PSY 110. (PSY 360 recommended). Applications of psychological principles and methods to problems of industry.

455. **Psychology of Personality.** 3 hrs. Prerequisites: PSY 110. Different theoretical approaches to the development of the mature personality.

456. **Psychology of Aging and Dying.** 3 hrs. Prerequisite: PSY 110 and Permission of Instructor. Study of problems and attitudes concerning aging and death.

457. **Psychology of Religion.** 3 hrs. Prerequisite: PSY 110. An examination of modern psychological perspectives on religious beliefs, experiences, and practices.

462-463. **Field Practicum I, II.** 3-6 hrs. Prerequisite: PSY 110 and Permission of instructor. Individual field practicum in an institutional or agency setting.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Prerequisite: PSY 110. Overview of contributing factors to atypical early development: Identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Prerequisite: PSY 110. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

482. **Moral Development in Childhood and Adolescence.** 3 hrs. Prerequisites: PSY 110 and permission of instructor. A study of the major psychological theories of moral development.

492. **Special Problems in Psychology.** 1-6 hrs. Prerequisites: PSY 110 and the consent of instructor. (Students undertaking a Seniors Honors Project will enroll in PSY H492.)

496. **Families of the Developmentally Disabled.** 3 hrs. Prerequisites: PSY 110 and Senior standing or permission of instructor. Interdisciplinary approach tot he study of families of the developmentally disabled.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: PSY 110. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Senior Thesis.** 3 hrs. Prerequisite: PSY 110 and Permission of department chair and instructor.

499. **British Studies.** 3-6 hrs.

RADIO, TELEVISION, AND FILM (RTF—220)

101. **Survey of Mass Communication.** 3 hrs. A survey of the development and operation of print, electronic and film media including an overview of mass communication theory and effects research.

111. **Radio Production.** 3 hrs. Co-Requisite: RTF 111L. Introductory course in radio production covering control room on-air production, off-air program production, and radio station operations.

111L. **Radio Production Lab.** 0 hrs. Co-Requisite: RTF 111. Studio production laboratory activities required for RTF 111.

140. **Introduction to TV Production.** 3 hrs. Instruction in the fundamentals of communicating with the television medium through a combination of lecture, demonstration, and production assignments.

170. **Introduction to Film Studies.** 3 hrs. An examination of the formal aspects of style and narrative in Hollywood narrative cinema, art cinema narration, avant-garde, and documentary film.

302. **Broadcast News Writing.** 3 hrs. Prerequisites: JOU 202 and typing proficiency. Instruction and practice in the fundamentals of writing news copy for radio and television.

303. **Internship in Radio, Television, and Film.** 3 hrs. Prerequisites: Completion of 24 hours of RTF major, B average in RTF courses, overall GPA of 2.5, approval of the chair. May not be combined with RTF 418, Practicum in RTF.

304. **Radio News Reporting.** 3 hrs. Prerequisites: JOU 202, RTF 111, and RTF 302. Writing, editing, and producing radio news stories and newscasts. Emphasis on story idea origination, interviewing, audio recording, and newscast delivery.

305. **Television News Reporting.** 3 hrs. Prerequisites: JOU 202, RTF 140, RTF 302, and 304. Writing, video taping, and editing television news stories and series. Emphasis on story idea origination, interviewing, and electronic news gathering techniques.

320. **Announcing.** 3 hrs. Prerequisite: RTF 111. This course is designed to familiarize students with the requirements of a variety of radio and TV announcing situations.

330. **Broadcast Advertising.** 3 hrs. An overview of the advertising industry with an emphasis on network and local broadcast and cable television advertising operations.

340. **Intermediate Television Production.** 3 hrs. Prerequisite: RTF 140. Advanced topics in studio production and direction.

360. **Telecommunication Regulation and Policy.** 3 hrs. Study of the regulatory agencies, regulations, and policies which affect the operation of domestic telecommunication media and delivery systems.

370. **Film History.** 3 hrs. This course combines text, lecture, discussion, and screenings to trace the first fifty years of motion pictures.

371. **Basic Cinematography.** 3 hrs. Prerequisite: RTF 140. This introduces students to the professional 16mm film format.

373. **Film Animation.** 3 hrs. Prerequisite: Consent of instructor. A study of the basic principles of film animation.

402. **Broadcast Journalism Workshop.** 1 or 2 hrs. Prerequisites: JOU 202, RTF 302, 304, and 305, and consent of instructor. Experience in production of radio (1 hr.) and television (2 hrs.) newscasts. Students will normally enroll twice to earn 3 hrs. credit.

407. **Theories of Mass Communication.** 3 hrs. An examination of scholarly theory pertaining to the mass communication process, the functions of mass communication, and mass communication effects.

411. **Advanced Audio Production.** 3 hrs. Prerequisite: RTF 111 or consent of instructor. An advanced course in audio production for both aural and visual media.

416. **Telecommunication Media Management.** 3 hrs. Examination of management responsibilities in broadcast radio and TV, cable TV, and other electronic media and media delivery systems.

418. **Practicum in RTF.** 1 hr., repeatable for a total of 3 hrs. Consent of instructor. Individual production experience under supervision of a cooperating faculty member. May not be combined with RTF 303, Internship in RTF.

425. **Telecommunication Media Research.** 3 hrs. Prepares students to utilize and evaluate professional telecommunication research services and to conduct elementary studies of media audiences.

431. **Advertising Management and Sales.** 3 hrs. Prerequisite: RTF 330. This course focuses upon the organization, operation and management of the advertising department of a broadcast station or cable television system.

440. **Advanced Television Production.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced topics in video post-production theory and practice.

442. **Writing for Radio-TV.** 3 hrs. Prerequisite: RTF 140. Basic broadcast copywriting for continuity, commercials and program formats. Course content is applied in frequent writing assignments.

447. **Television Production Workshop.** 3 hrs. Prerequisite: RTF 340 or permission of instructor. Advanced experience in all phases of television production, direction, and post-production.

448. **Seminar in Radio-TV.** 3 hrs. Prerequisite: Permission of instructor. Examination of a telecommunication topic. May be repeated with a different topic or combined with RTF 478 for a total of six hours.

460. **Issues in Telecommunication.** 3 hrs. Examination of structural, regulatory, policy, and social concerns related to the U.S. telecommunication industry.

470. **Contemporary Cinema.** 3 hrs. An historical treatment of the international trends in film from 1945 to the present. Feature films are screened for analysis and discussion.

471. **Advanced Cinematography.** 3 hrs. Prerequisite: RTF 371 and consent of instructor. Advanced instruction and practical production experience in 16mm motion picture cinematography.

472. **Writing for Television and Film.** 3 hrs. Narrative scriptwriting for television and film dramatic content.

473. **The Documentary Film.** 3 hrs. Evaluation of the documentary tradition in film through viewing and analysis of selected documentaries and review of pertinent literature.

475. **Film Business Procedures and Management.** 3 hrs. Prerequisite: Consent of instructor. Study of the business practices and problems involved in film production.

476. **British Film.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British filmmaking offered abroad under the auspices of the Institute of Anglo-American Studies.

477. **Advanced Film Production Workshop.** 3 hrs. Prerequisite: Consent of instructor. Advanced practical experience and instruction in film direction and cinematography.

478. **Seminar in Film.** 3 hrs. Prerequisite: Permission of instructor. Examination of a film topic. May be repeated with a different topic or combined with RTF 448 for a total of six hours.

479. **Film Theory and Criticism.** 3 hrs. Study of major film theories through study of the literature of film theory and screening and discussion of selected films.

480. **Comparative Media Systems.** 3 hrs. Study of the structure, function, and historical/ political features of the electronic media systems of selected nations.

481. **International Broadcasting.** 3 hrs. Prerequisite: Permission of instructor. An examination of the development, structure, functions, programming, and audiences of international broadcasting services.

485. **Film Editing.** 3 hrs. Prerequisite: RTF 471 or consent of instructor. Concentration on editing of sound and picture in the 16mm film format.

489. **Caribbean Mass Media Systems.** 3 hrs. Prerequisite: Consent of instructor. Lecture and research on the media systems of the Caribbean Basin with special attention given to coverage of Third World news.

492. **Special Problems in Radio, Television, and Film.** 1-3 hrs. Prerequisite: Consent of instructor. Arranged, in-depth investigation of an individual research topic. (Students undertaking a Senior Honors Project must enroll in RTF H492.)

499. **British Studies: Comparative Mass Media.** 3-6 hrs. Prerequisite: Consent of instructor. Lecture and research in British and American mass media offered abroad under the auspices of the Institute of Anglo-American Studies.

REAL ESTATE AND INSURANCE (REI—617)

(Enrollment in Real Estate and Insurance courses requires at least junior standing.)

325. **General Insurance.** 3 hrs. Nature of risk, its measurement, and the insurance mechanism as a device for handling risk with reference to the principal types of coverage.

326. **Introduction to Actuarial Science.** 3 hrs. Compound interest theory, its application, and basic actuarial techniques of premium and reserve determination for life insurance and annuities.

330. **Real Estate Principles.** 3 hrs. An introduction to the field of real estate covering principles of law, valuation, management, financing, and brokerage of real estate.

340. **Real Estate Law.** 3 hrs. Prerequisite: BA 200. The law of real property and the law of real estate brokerage.

425. **Life Insurance.** 3 hrs. Prerequisite: REI 325. Types of policies and their uses; contract provisions; actuarial and legal aspects; settlement options.

432. **Real Estate Finance.** 3 hrs. Prerequisite: FIN 300. A study of the sources of real estate funds and analytical techniques for investment decision-making.

434. **Real Estate Valuation.** 3 hrs. Prerequisites: REI 330 and FIN 300. Theory and practice of real estate valuation.

445. **Property and Liability Insurance.** 3 hrs. Prerequisite: REI 325. Fire, consequential loss, theft, automobile, general liability, and workmen's compensation insurance.

450. **Health Insurance.** 3 hrs. Prerequisite: REI 325. Disability risk with its economic consequences and the various health insurance coverages available to meet it.

498. **International Insurance Seminar Abroad.** 3 hrs. Prerequisite: Consent of Program Director. Conducted in London, England: a series of lectures and discussions involving authorities on international insurance issues and practices.

499. **International Insurance Research Abroad.** 3 hrs. Prerequisite: Consent of Program Director. A research course in international insurance offered for students enrolled in REI 498.

RELIGION (REL—288)

ANT 335. **Biblical Archeology.** May also be offered for credit as a religion course.

ANT 424. **Primitive Religion.** May also be offered for credit as a religion course.

131. **Comparative Religion.** 3 hrs. The study of religion as an aspect of human culture with attention to both Christian and non- Christian religions. 333. The Old Testament. 3 hrs. A study of the major themes and history of the Jewish religion.

333. **The Old Testament.** 3 hrs. A study of the major themes and history of the Jewish religion.

335. **The Life of Jesus.** 3 hrs. A study of the major themes and history of the Christian religion.

435. **Religions of the Near East.** 3 hrs. A survey of Judaism, Islam, and Zoroastrianism.

436. **Mysticism.** 3 hrs. A study of the major themes and issues of religious mysticism— East and West.

490. **Contemporary Religious Problems.** 3 hrs. An examination of specific problems within the broad spectrum of contemporary religious concern.

492. **Special Problems.** 1-3 hrs. Directed individual study. May be taken for a total of nine (9) hours.

499. **Religious Studies Abroad.** 3-6 hrs. The study of religious themes in various parts of the world. Offered abroad through the Center for International Education.

RESEARCH AND FOUNDATIONS (REF—125)

(Educational Foundations)

336. **Principles of Guidance.** 3 hrs. Deals with the fundamental philosophy, methods, and organization of guidance services in the public schools.

400. **Public Education in the United States.** 3 hrs. An orientation to teaching as a profession. Teacher education majors must be formally admitted to the teacher education program.

416. **Utilization of Audiovisual and Media Equipment.** 3 hrs. A general course for teachers with emphasis upon use, production, and selection of sound and visual classroom media.

421. **Seminar for Teaching Interns.** 9 hrs. Open to intern teachers only.

425. **Instructional Styles and Models of Media Programs.** 3 hrs.

430. **Teaching in the Space Age.** 3 hrs. A study of the influence of aerospace developments on society.

436. **Designing Educational Systems for Individualized Instruction.** 3 hrs. Emphasizes systems approach to individualizing instruction. Designed for teachers and library- media personnel.

469. **Tests and Measurements.** 3 hrs. Considers evaluative practices in education. Teacher education majors must be formally admitted to the teacher education program.

491. **School Media Center Administration Workshop.** 3 hrs.

494. **Field Problems.** 3 hrs. Prerequisite: Approval of department chair.

499. **British Studies: Research in British Education.** 3-6 hrs. To provide students with supervised research study on British education that relates to their own interests or educational specialty.

SCIENCE EDUCATION (SCE—380)

432. **Science for Elementary Teachers.** 3 hrs. Prerequisites: FS 131, 133, 135, or 12 semester hours of science.

435. **Marine Science for Elementary Teachers.** 3 hrs. Prerequisite: Permission of instructor. (Same as MAR 458).

453. **Earth and Environmental Science for Intermediate School Teachers.** 3 hrs. Prerequisite: Earth and environmental science background or permission of the instructor.

454. **Biological Sciences for Intermediate School Teachers.** 3 hrs. An examination of subject matter, techniques, and methods for teaching the life sciences.

455. **Physical Science for Intermediate School Teachers.** 3 hrs. An examination of the subject matter, techniques, and methods for teaching physical sciences.

460. **Methods in Teaching Science—Secondary.** 3 hrs. Designed to familiarize teachers with current trends, methods, and techniques of teaching science to secondary school students.

461. **Microcomputer Applications in the Teaching of Science.** 3 hrs. An examination of software, literature, research and strategies.

+489. **Student Teaching in Science I.** 7 hrs. Prerequisite: SCE 460. Corequisite: SCE 490. Field experience in teaching science in the secondary grades.

+490. **Student Teaching in Science II.** 7 hrs. Prerequisite: SCE 460. Corequisite: SCE 489. Field experience in teaching science in the secondary grades.

492. **Special Problems.** 1-3 hrs. A problem study to be approved by the Center Director.

SOCIAL WORK (SWK—020)

230. **Introduction to Social Work.** 3 hrs. Prerequisites: SOC 101 and PSY 110. Introduction to Social Work as a profession and to its practice methodologies, with an emphasis on the Generalist Method.

300. **Social Service Systems.** 3 hrs. Prerequisite: SWK 230 or permission of BSW Director. A study of the major social service systems in which social workers practice. Historical perspectives, value issues, and current administrative policies are examined.

315. **Cultural Diversity: Implications for Social Work Practice.** 3 hrs. Prerequisite: SWK 230 or permission of BSW Director. Cultural, social and psychological implications of diverse lifestyles for social work practice. Differences/similarities among various cultures and implications for social work practice will be explored.

321. **Social Welfare Policy and Programs.** 3 hrs. Prerequisites: SWK 300 and ECO 201 or PS 101. Co-requisite SWK 330. Examination of the construction, analysis, and implementation of social welfare policy at local, state and federal levels.

329*. **Interviewing and Recording.** 3 hrs. Prerequisite: Social Work Major and 3 hours of English Electives (ENG 332, 333, 300, 301). Fundamentals of good oral and written communication skills for social workers presented in a laboratory setting.

330*. **Social Work Practice I.** 3 hrs. Prerequisites: Social Work Major, Co-requisite SWK 321, SWK 329, and SWK 340. Development of generalist practice skills with a focus on direct services to individuals, families, and groups.

331*. **Social Work Practice II.** 3 hrs. Prerequisites: Social Work Major and SWK 330. Co-requisites: SWK 341 and SWK 420. Models of social work practice carried out in organizations and communities with emphasis on case macro practice.

340. **Human Behavior and the Social Environment I.** 3 hrs. Prerequisites: SWK 230, SWK 315, PSY 375 and Human Biology. A study of the interrelations of biological, social, cultural, environmental and psychological factors in human behavior and their relevance and application to social work practice.

341. **Human Behavior and the Social Environment II.** 3 hrs. Prerequisites: SWK 340. Co-requisite SWK 331. This course examines theoretical and practice concerns of human behavior in groups, communities and formal organizations.

420*. **Methods of Social Work Research.** 3 hrs. Prerequisite: CSC 100 and PSY 360, Co-requisite SWK 331. Methods of data collection, analysis, interpretation and reporting in preparation for the evaluation of social work practice and research.

430*. **Field Education.** 9 hrs. Prerequisites: Must have completed 122 hours of the required liberal arts curriculum, professional core and foundation electives with a 2.5 overall cumulative GPA. Co-requisite: SWK 431. Internship in a social service agency to provide experience in direct service to client systems and to enhance and develop practice skills.

431*. **Field Education Seminar.** 3 hrs. Co-requisite: SWK 430. A seminar designed to enable students to further develop generalist practice skills and integrate professional knowledge, values, attitudes and theory with practice.

450. **Social Work with Children and Families.** 3 hrs. Prerequisite: SWK 330. Introduction to the practice settings which provide services to children and their families. Social work practice in child welfare agencies and social service interventions to strengthen families will be the primary focus.

451. **Crisis Intervention.** 3 hrs. Prerequisite: SWK 330. Theory as well as step-by-step intervention for the helping professional to assist the client in reducing temporary extreme stress.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

492. **Special Problems.** 3 hrs. (May be repeated up to 6 hrs.) To allow a student or a group of students to study issues of special significance for social work practice that are not normally addressed by regular courses.

498. **Families of the Developmentally Disabled.** 3 hrs. Prerequisite: Junior status or consent of instructor. Interdisciplinary approach to the study of families with developmental disabilities.

*Majors Only

SOCIOLOGY (SOC—292)

101. **Introduction to Sociology.** 3 hrs. Prerequisite to all other sociology courses. Designed to give a general overview of the perspectives, concepts, and methodology of sociology. (CC 2113)

240. **Social Problems.** 3 hrs. A study of representative contemporary problems, with emphasis on causes which arise from cultural patterns and social change. (CC 2123, 2133)

301. **Wealth, Status, and Power.** 3 hrs. An introduction to the study of social stratification in society, focusing on theoretical explanations for the unequal distribution of wealth, status, and power in the United States.

302. **Social Interaction.** 3 hrs. A sociological analysis of human interaction. Topics include childhood socialization, nonverbal communication, and the relationship of presentational styles and social contexts.

310. **Urban Sociology.** 3 hrs. An analysis of the nature of urban society and the factors shaping it, including the influence of urban ecology and ecological processes.

311. **Rural Sociology.** 3 hrs. A study of the structure, institutions, and social processes of rural society, and of the effect of urbanization on rural society.

314. **The Family.** 3 hrs. An analysis of the structure and functions of the family as an institution and the factors making for family change.

315. **Sociology of Religion.** 3 hrs. A study of religion as a social institution, its internal development, relationships to other institutions, and its cultural and social significance in modern societies.

340. **Deviant Behavior.** 3 hrs. How conceptions of deviance originate and persist through the process of social interaction, with emphasis on societal reactions to deviance and the adaptation of deviants to society.

341. **Criminology.** 3 hrs. A study of causes, treatment, and prevention of crime. Deals with criminology, penology, and criminal legislation.

350. **Sociology of Minorities.** 3 hrs. An examination of the minority group-majority group relationship in U.S. society, focusing on the historical and contemporary experience of ethnic, religious, and sexual minorities.

355. **Collective Behavior and Social Movements.** 3 hrs. A study of the ways in which collective behavior and social movements relate to socio-cultural change.

410. **Sociology of Sport.** 3 hrs. The examination of sport as a social institution and cultural phenomenon. Topics include sport and the media, sports violence, labor relations in sport, and sport in educational settings.

415. **Sex Roles and Gender in Society.** 3 hrs. A study of the relationship between sex roles and broader cultural patterns in various societies.

421. **Special Sociological Topics.** 3-9 hrs. Variable content. May be repeated three times in separate topical offerings.

423. **Sociology of Health.** 3 hrs. An analysis of the field of health and health care delivery from a sociological perspective.

424. **Sociology of Aging.** 3 hrs. A survey of demographic, social, and cultural aspects of aging, with particular emphasis on American society and the problems encountered by older persons.

426. **Sociology of Education.** 3 hrs. A comprehensive study of the educational institution, and its relationship to the community and society.

430. **Political Sociology.** 3 hrs. A study of politics as a social institution, its relationship with other institutions, and its place in a changing society.

433. **Field Work Practicum.** 3-9 hrs. Arr. Designed to provide the student with practical field experiences in a career-oriented area.

444. **Juvenile Delinquency.** 3 hrs. A study of the causes and nature of juvenile delinquency, the development of the juvenile court, probation, and other rehabilitative programs.

450. **Social Psychology.** 3 hrs. A study of how the thoughts and behaviors of individuals are influenced by the actual or implied presence of others.

460. **Quantitative Methods.** 3 hrs. A survey of quantitative research techniques, focusing on descriptive and inferential statistics and computer applications.

461. **Population.** 3 hrs. An introduction to demography, analyzing significant changes in population composition.

462. **Methods of Social Research.** 3 hrs. A study of the production and interpretation of social research, with an emphasis on the relationship of theory and method.

471. **Social Institutions.** 3 hrs. A study of selected American social institutions, focusing on class and power structures, the rise of post-industrial society, religious and moral divisions, and democratic individualism.

475. **Social Inequality.** 3 hrs. Research and theory in social differentiation, class, status, power, and mobility. Analysis of inequality and the effects of socioeconomic status on behavior and social organization.

481. **History of Social Thought.** 3 hrs. An examination of early social thought, tracing the development of Western thought and ideas from Hammurabi to Comte.

482. **Sociological Theory.** 3 hrs. A study of classical and contemporary social theory, focusing on selected theorists (e.g., Weber, Durkheim, Marx, Merton, and Goffman) and selected topics, including anomie and alienation, the rise of capitalism, theories of crime, and concepts of self.

492. **Special Problems.** 1-3 hrs. To be used to pursue specialized interests for which courses are not offered. (Students undertaking a Seniors Honor Project will enroll in SOC H492.)

499. **British Studies.** 3-6 hrs. Variable content. Lecture series and research offered abroad under the auspices of the Institute of Anglo-American Studies.

SPECIAL EDUCATION (SPE—190)

331. **Practicum in Elementary Special Education.** 1 hr. Observational methods. To be taken with SPE 431.

351. **Practicum for Classroom Management.** 1 hr. To be taken with SPE 451.

342. **Practicum for Transitional Policy.** 1 hr. To be taken with SPE 442.

400. **The Psychology and Education of the Exceptional Child.** 3 hrs. An introduction to exceptional populations and procedures and policies relating to their education and citizenship. Teacher education majors must be formally admitted to the teacher education program.

402. **General Methods in Special Education.** 3 hrs. The development of conceptual and writing skills associated with individual educational programs for disabled students, materials, and media techniques. Teacher education admission is required.

405. **Early Intervention for Children with Special Needs.** 3 hrs. Individual educational planning for children age 0-5 with special needs.

430. **An Introduction to Learning Disabilities.** 3 hrs. Prerequisite: SPE 400 or permission. A study of social, emotional, physical, and learning characteristics of specific learning disabilities.

431. **Programming for Elementary Students with Mild/Moderate Disabilities.** 3 hrs. Methods, materials, and individual educational planning for elementary level students with disabilities. Teacher education admission is required.

440. **An Introduction to Mental Retardation and Developmental Disabilities.** 3 hrs. Prerequisite: SPE 440 or permission. A study of social, emotional, physical, and intellectual characteristics of the mentally retarded.

442. **Intervention and Transitional Policies for Secondary Students with Mild/Moderate Disabilities.** 3 hrs. Methods, materials, and individual educational planning for mildly and moderately disabled students at the secondary level. Teacher education admission is required.

451. **Classroom Management: Handicapped.** 3 hrs. Methods of affective development, control, and resources in behavioral problems with disabled students. Teacher education admission is required.

460. **Characteristics and Education of the Gifted Student.** 3 hrs. Study of gifted populations to include characteristics, learning modes, and assessment procedures.

461. **Basic Methods and Materials in Gifted/Talented Education.** 3 hrs. Curricula building activities for teachers in programs for the gifted.

477. **Developmental Disabilities in Early Childhood.** 3 hrs. Overview of contributing factors to atypical early development, identification and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

+ 481. **Student Teaching: Mild/Moderate Disabilities.** 7-14 hrs.

489. **Seminar in Special Education of Student Teaching.** 1-6 hrs. In-service student teaching designed for experienced teachers who have demonstrated their interest and ability as classroom teachers.

490. **Workshop in Special Education.** 1-3 hrs.

492. **Special Problems in Special Education.** 1-3 hrs. A consideration of special interest areas in the field of exceptional children. (Students undertaking a Seniors Honor Project will enroll in SPE H492.)

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3 hrs. Interdisciplinary approach to the study of the developmentally disabled.

SPEECH AND HEARING SCIENCES (SHS—296)

201. **Introduction to Phonetics.** 3 hrs.

202. **Fundamentals of Speech and Hearing Sciences.** 3 hrs.

202-L. **Fundamentals of Speech and Hearing Sciences Laboratory.** 1 hr.

211. **Introduction to Communication Disorders.** 3 hrs.

221. **Introduction to Audiology.** 3 hrs. 310. Student Teaching: Clinical Observation. 3 hr. First clinical and student teaching experience. Prerequisite: SHS 201, 211, 401 or Permission of Instructor.

310. **Student Teaching: Clinical Observation.** 7 hrs. Prerequisites: SHS 201, 211, 401. Students observe speech pathology, audiology and deaf education testing, and habilitation techniques with a variety of clients. Report writing, analysis of client behaviors, and session planning are stressed. (Section 01 is Audiology, Section 02 is Education of the Deaf, and Section 03 is Speech/Language Pathology.)

311. **Clinical Assisting—Speech.** 1-3 hrs. Clinical experience assisting speech/language clinicians. Prerequisite: SHS 310 and GPA greater than 3.0 or Permission of Instructor.

312. **Clinical Assisting—Education of the Deaf.** 1-3 hrs. Prerequisite: SHS 310. Clinical experience assisting in education of the deaf.

313. **Clinical Assisting—Audiology.** 1-3 hrs. Prerequisite: SHS 310. Clinical experience assisting in audiology clinic.

401. **Language and Speech Development.** 3 hrs.

402. **Anatomy and Physiology of the Hearing Mechanisms.** 3 hrs.

403. **Anatomy and Physiology of the Speech Mechanism.** 3 hrs.

406. **Basic Neuroanatomy in Speech-Language Pathology.** 3 hrs. Prerequisites: SHS 402, 403 or Permission of Instructor.

408. **Instrumentation in Speech and Hearing Science.** 3 hrs. Prerequisites: SHS 202, 202L or Permission of Instructor.

410. **Intervention Language Disorders.** 3 hrs.

411. **Articulation Disorders.** 3 hrs. Prerequisites: SHS 201, 401 or Permission of Instructor.

412. **Diagnostic Procedures in Speech Pathology I.** 3 hrs. Prerequisites: SHS 201, 211, 401, 411 or Permission of Instructor.

414. **Stuttering and Related Problems.** 3 hrs.

417. **Speech and Language Disorders Related to Cleft Palate.** 3 hrs. Prerequisite: SHS 403.

419. **Organic Speech Disorders.** 3 hrs. Prerequisites: SHS 202, 403, 411.

421. **Aural Rehabilitation.** 3 hrs. Prerequisite: SHS 221.

422. **Diagnostic/Prescriptive Teaching of the Hearing Impaired.** 3 hrs. Prerequisite: Senior standing or permission of instructor.

423. **Basic Sign Language.** 3 hrs. Concepts of total communication, sign language and finger spelling are stressed.

425. **Psycho-Social Factors Associated with Hearing Impairment.** 3 hrs. Prerequisite: Permission of instructor.

428. **Clinical Audiology I.** 3 hrs. Prerequisite: SHS 221.

429. **Intermediate Sign Language.** 3 hrs. Prerequisite: SHS 423 or permission of the instructor. Course is a continuation of the Basic Sign Language course with additional signs and situational experiences.

430. **Speech Pathology and the Hearing Impaired Child.** 3 hrs.

431. **Language Disorders I: Assessment of Children with Language Disorders.** 3 hrs. Prerequisite: SHS 401.

432. **Language Disorders II: Habilitation of the Aphasic Child.** 3 hrs. Prerequisite: SHS 401.

433. **Developing Language Skills with the Hearing Impaired.** 3 hrs.

435. **Developing Oral/Aural Communication in Hearing Impaired Children.** 3 hrs.

436. **Developing Reading in the Hearing Impaired.** 3 hrs. Prerequisite: SHS 433 or permission of instructor.

437. **Introduction to Education of the Hearing Impaired.** 3 hrs.

440. **Advanced Methods of Communicating with the Hearing Impaired.** 3 hrs. Prerequisite: Permission of instructor. Develops extensive sign vocabulary; introduces ethics of interpreting; and individualizes training for specific situations.

492. **Special Problems.** 1-3 hrs. (Students undertaking a Senior Honors project will enroll in SHS H492.)

495. **Student Teaching: Deaf.** 7 hrs. Intensive practicum in school setting covering full range of teaching responsibilities with a certified teacher of the hearing impaired.

496. **Student Teaching: Deaf.** 7 hrs. A continuation of SHS 495.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

499. **British Studies: Comparative Problems in Speech and Hearing Sciences.** 3-6 hrs.

SPEECH COMMUNICATION (SCM—216)

111. **Oral Communication.** 3 hrs. Communication principles and practice in the preparation and delivery of public speeches. (CC- SPT 1113)

300-L. **Oral Language Laboratory.** 1 hr. An oral language laboratory.

303. **Argumentation and Debate.** 3 hrs. Theory and practice in inquiry and advocacy involving analysis, reasoning, organization and presentation of oral arguments for decision making.

305. **Interpersonal Communication.** 3 hrs. A course designed to improve students' competence in and understanding of interpersonal relationships.

311. **Persuasion.** 3 hrs. Study of classical and contemporary theories and strategies of persuasion with applications to public address, advertising, and public relations.

312. **Interviewing Principles and Applications.** 3 hrs.

315. **Advanced Public Speaking.** 3 hrs.

320. **Business and Professional Speaking.** 3 hrs. A course that develops student skills in a broad group of special communication settings pertinent to the world of work, e.g., running meetings, making technical reports, and group problem solving.

330. **Small Group Communication.** 3 hrs. Provides students with the basic skills and principles of communication pertinent to the small problem-solving group.

350. **Nonverbal Communication.** 3 hrs. An examination of nonverbal communication and its role as context for speech communication.

403. **Political Communication.** 3 hrs. A comprehensive study of the role of communication in political campaigns and in the general political process.

405. **Relational Communication.** 3 hrs. Reviews the development of interpersonal processes that effect relationships in social, intimate, work, and family contexts.

410. **Organizational Communication I: Theory and Process.** 3 hrs. A survey of approaches to the study of organizational communication and aspects of the communication process within organizations.

411. **Managing the Forensics Program.** 3 hrs.

412. **Advanced Persuasion.** 3 hrs. Extension of the introductory course in persuasion. Students will study theories, concepts, and issues in persuasion from classical to current times.

415. **Rhetorical Criticism.** 3 hrs. Discusses the variety of strategies critics use to analyze and interpret public communication. Contemporary speeches are examined.

420. **Organizational Communication II: Assessment and Training.** 3 hrs. A survey of methods for determining the quality and kind of communication within organizations and training methods for improving organizational communication.

425. **Communication and Conflict Resolution.** 3 hrs. Explores communication effects on conflict, including types and causes of conflict, individual conflict styles, and various negotiation strategies.

430. **Communication and Small Group Decision-Making.** 3 hrs. Examines theory, research, and practice concerning the role and importance of communication in task-oriented groups. Emphasis on decision-making.

435. **Speech Communication in Legal Contexts.** 3 hrs. Theoretical implications, research findings, and persuasive strategies used in various legal contexts are studied.

440. **Health Communication.** 3 hrs. Examines health communication theory and practices with attention given doctor- patient interactions in interpersonal, small group, interviewing, and organizational contexts.

450. **Seminar in Speech Communication.** 3 hrs. An examination of various theories of speech communication and various settings for their application. May be repeated for up to 6 hours credit.

455. **Freedom and Responsibility of Speech.** 3 hrs. Examines the theory of free speech as it applies to various modes of expression.

459. **Methods in Speech Communication.** 3 hrs. A general orientation to the teaching of speech communication, followed by individualized unit work in the special fields of speech communication. (Co-listed as CIS 459.)

460. **Public Advocacy and Advanced Argumentation.** 3 hrs. Examination of advanced theories, issues, and concepts in public advocacy and argumentation.

475. **Gender Issues in Speech Communication.** 3 hrs. Examination of gender issues as applied to interpersonal, professional, organizational, persuasive, and political communication.

488. **Student Teaching in Speech Communication I.** 7 hrs.

489. **Student Teaching in Speech Communication II.** 7 hrs.

490. **Theories of Speech Communication.** 3 hrs. A survey of theoretical perspectives on speech communication, e.g., psychological, rhetorical, linguistic, and human relations.

492. **Special Problems.** 1-3 hrs. Prerequisite: Permission of instructor. Directed research in a topic of interest to the student. (Students undertaking a Seniors Honor Project will enroll in SCM H492.)

499. **British Studies in Communication.** 3-6 hrs. Various topics. Communication research and practice in Great Britain. Taught only in Great Britain under auspices of the Institute of Anglo-American Studies.

TECHNICAL AND OCCUPATIONAL EDUCATION (TOE—165)

241. **Principles of Training and Development.** 3 hrs. An introduction and overview of training professions in both the public and private sector. To include on-site visitation of host industrial organizations and other institutions. (PENDING APPROVAL BY APPROPRIATE COUNCILS)

323. **Engineering Drawing I.** 3 hrs.

324. **Engineering Drawing II.** 3 hrs. Prerequisites: IVE 323. May include hands-on CAD.

350. **Architectural Drawing.** 3 hrs. Practice in drafting contemporary house plans, floor plans, evaluations, sections, details, etc. May include hands-on CAD.

433. **Curriculum Construction for Cooperative Education.** 3 hrs. Objectives, content, arrangement and techniques of teaching in part-time cooperative and evening programs.

434. **Occupational Surveys.** 3 hrs. Planning and conducting occupational surveys for educational purposes.

441. **Philosophy and Principles of Occupational Instruction.** 3 hrs. A methods course for teaching trade, technical and other vocational subjects.

442. **Management of the Occupational Learning Environment.** 3 hrs. Organization and management of students, equipment, and physical facilities.

443. **Design of the Occupation Based Instructional Program.** 3 hrs. Occupational analysis based design and sequencing of instructional components, and the development of appropriate support materials.

444. **Development of Occupational Instruction Materials.** 3 hrs. Selection, development and use of instructional aids, with an emphasis on media production.

445. **Delivery of the Occupational Instruction Program.** 3 hrs. Learning theory based techniques of instructional delivery in the vocational classroom and laboratory.

446. **Evaluation of Occupational Training and Learner Performance.** 3 hrs. Development and utilization of various measuring devices and techniques, statistical treatment of data, and generation of evaluative reports.

447. **Industrial Human Relations.** 3 hrs. A study of human behavior and interpersonal dynamics within the industrial organization and environment. Primarily for industrial educators.

448. **Industrial and Vocational Safety.** 3 hrs. Analysis of fundamentals of accident prevention and their application in school and industrial environment.

449. **Student Leadership Development in Vocational Education.** 3 hrs. A course designed to impart detailed information regarding activities and responsibilities of the vocational student organization advisor.

452. **History and Philosophy of Vocational Education.** 3 hrs. Objectives, principles, aims, and organization of programs in schools and colleges.

453. **Problems of the Coordinator.** 3 hrs. A study of the problems, procedures, techniques, etc., in the operation of part- time cooperative education.

465. **Microcomputer Applications in Education.** 3 hrs. Skill development in the use of microcomputers and multiple software packages appropriate to teaching and managing education.

467. **Desktop Publishing and Presentation Graphics.** 3 hrs. Prerequisite: Any 3 hr. computer course or permission of instructor. Office based microcomputer production of typeface/graphics enhanced media, designed to be both pleasing in appearance and effective in communication.

469. **Computer Based Instructional Technology.** 3 hrs. Prerequisite: Any 3 hr. computer course or permission of instructor. Interactive instructional design and applications. Introduction of hypermedia tools, authoring systems, CAI software reviews/evaluations, and hands-on interactive module production.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

483. **Occupational Safety.** 3 hrs. Organization and administration of safety programs including implementation of the Occupational Safety and Health Act. Primarily for industrial educators.

492. **Special Problems in Technical Education.** 1-3 hrs. Prerequisites: Senior standing and chair's permission.

+ 494. **Student Teaching in Vocational-Technical Education.** 12 hrs. Prerequisite: TOE 441. For students who plan to teach in a post-secondary vocational or technical program and who are not presently employed in such a program.

495. **Internship in Vocational-Technical Education.** 1-9 hrs. Prerequisite: TOE 441. A nine-months' supervised experience for practicing teachers of vocational or technical subjects.

497. **Professional Collaboration for Developmental Disability Services.** 3 hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

THEATRE (THE—689)

100. **Theatre Appreciation.** 3 hrs. An introduction to theatre as an art form, reflecting the aesthetic aspects and social conditions of a culture. (CC 2233)

103. **Introduction to Theatre.** 5 hrs. (3 hrs. lecture and 2 hrs. laboratory). An introduction to the principles of theatre, with involvement in the rehearsal, production, and performance process as they apply to major departmental productions. (CC-SPT 1213.)

110. **Nonmajor's Beginning Acting.** 3 hrs. An introductory acting technique course specifically designed for interested non-theatre students.

111. **Fundamentals of Oral Interpretation.** 3 hrs. General educational approach to the art as a means of communicating literary content. (CC-SPT- 2143)

115. **Voice for the Actor.** 3 hrs. Vocal methods and techniques for use in the theatre.

120. **Fundamentals of Acting.** 3 hrs. An introductory acting technique course using modern scene study and improvisations. (CC- SPT-1233)

200. **Stagecraft.** 3 hrs. Introduction to scenographic theory and techniques with practical application. (CC-SPT-2223)

200-L. **Stagecraft Laboratory.** 1 hr. Laboratory for THE 200. Must be taken concurrently.

201. **Introduction to Costume and Makeup.** 3 hrs. Introduction to theatrical costume and makeup theory with its practical application.

201-L. **Costume and Makeup Laboratory.** 1 hr. Laboratory for THE 201. Must be taken concurrently.

202. **Costumes for the Dance.** 2 hrs. Study of costumes in the dance and their effect on performance. Basic patterns and construction techniques will be mastered.

215. **Stage Dialects.** 3 hrs. Prerequisite: THE 115 or consent of instructor. Introduction to stage dialects.

304. **Intermediate Makeup.** 3 hrs. Painted character makeup.

306. **Introduction to Scenery and Lighting.** 3 hrs. Prerequisites: THE 200. Theory and practice in the utilization of stage scenery and lighting with daily involvement in their practical application to major departmental productions.

306-L. **Scenery and Lighting Laboratory.** 1 hr. Laboratory for THE 306. Must be taken concurrently.

310. **Intermediate Acting I.** 3 hrs. Prerequisite: THE 120. A continuation of fundamentals of acting on a more intense level, to include character development and technique.

315. **Voice for the Actor/Singer.** 3 hrs. Vocal techniques for the singing actor.

320. **Directing.** 3 hrs. Prerequisites: THE 100 or THE 103 and THE 120.

361. **Stage Movement/Combat.** 2 hrs. Performance course designed to cover basic stage movement, physical alignment, body awareness, economy of movement, and physical expression of character.

401. **Costume Design.** 3 hrs. Prerequisite: THE 201 or consent of instructor.

403. **Advanced Movement/Combat.** 2 hrs. Prerequisite: THE 361. Course in unarmed and armed stage combat, with continued emphasis on alignment and fluidity through T'ai Chi.

406. **Scenic Design.** 3 hrs. Prerequisite: THE 306. Elements of Scene Design. Play analysis in terms of visualization and style, and the mechanics of developing an effective stage setting.

410. **Stage Sound Engineering.** 3 hrs. Principles and practice in stage sound engineering.

411. **Advanced Voice for the Actor.** 3 hrs. Prerequisite: THE111, THE115, THE 310, and consent of instructor. Advanced vocal technique studies including in-depth work with scansion and verse.

412. **Stage Lighting.** 3 hrs. Prerequisite: THE 306. Theory and application of general and special lighting, color, instrumentation, and control.

414. **Improvisation.** 3 hrs. Prerequisite: 310. Prerequisite: THE 310. A performance course using Improvisation as a means to free impulse, develop characterization and refine moment.

416. **Intermediate Acting II.** 3 hrs. Prerequisites: THE 310 and instructor approval and/or audition. Advanced scene study including various modern genres.

417. **Period Acting Styles I.** 3 hrs. Prerequisites: THE 111, THE 115, THE 310. Study of acting styles from ancient Greece through Shakespeare. Utilizing speech, movement, acting style and masks.

418. **Period Acting Styles II.** 3 hrs. Prerequisites: THE 111, THE 115, THE 310. Study of acting styles from restoration through 1900. Utilizing speech, movement and acting style.

420. **Advanced Directing.** 3 hrs. Prerequisite: THE 320.

427. **Theatre History I.** 3 hrs. Prerequisites: All 200 level requirements complete or consent of instructor.

428. **Theatre History II.** 3 hrs. A continuation of THE 427.

429. **Dramatic and Performance Theory.** 3 hrs. Prerequisites: All 200 level requirements complete or consent of instructor. Examination and evaluation of dramatic and performance theory.

430. **Summer Theatre I.** 3 hrs. Concentrated applied theatre.

431. **Summer Theatre II.** 3 hrs. A continuation of THE 430.

433. **Design Studio I.** 3 hrs. Prerequisites: THE 200 and 201. Rendering commonly used theatrical materials.

434. **Design Studio II.** 3 hrs. Prerequisite: THE 306. Scenographic techniques.

435. **Advanced Scene Design.** 3 hrs. Prerequisite: THE 406 or consent of instructor. The techniques of scene design as applied to non-realistic stage settings.

445. **Advanced Stage Lighting.** 3 hrs. Prerequisite:THE412.

450. **The Audition Process.** 2 hrs. Prerequisites: THE 310 and consent of instructor. An acting class designed to help prepare students for professional auditions and interviews.

451. **The Rehearsal Process.** 2 hrs. Prerequisites: THE 416 and consent of instructor. An acting class designed to dissect and analyze the rehearsal process from casting through production.

460. **Costume Design Studio.** 3 hrs. Prerequisite: THE 401 or consent of instructor. Projects in designing costumes for plays, opera, and dance. Emphasis placed on costume designs as an element in a total production concept.

461. **Advanced Theatrical Makeup.** 3 hrs. Prerequisites: THE 304 or consent of instructor. Projects in makeup design and execution. Emphasis placed on three-dimensional makeup techniques for theatre, television, and film.

471. **Performance and Production Internship.** 1-9 hrs. May be taken for a total of nine (9) hours. Professional experience in residence with approved professional organizations.

481. **Repertory Theatre.** 3-9 hrs. Participation in the analysis and preparation of the performances of three plays in repertory. Student must enroll in three 3-hour sections.

482-L. **Practicum in Box Office and Publicity.** 1-3 hrs. May be taken for a total of nine (9) hours.

483-L. **Practicum in Technical Theatre.** 1-3 hrs. May be taken for a total of nine (9) hours.

484-L. **Practicum in Lighting and Sound Engineering.** 1-3 hrs. May be taken for a total of (9) hours.

485-L. **Practicum in Properties.** 1-3 hrs. May be taken for a total of nine (9) hours.

486-L. **Practicum in Design.** 1-3 hrs. May be taken for a total of nine (9) hours.

488-L. **Practicum in Acting and Directing.** 1-3 hrs. May be taken for a total of nine (9) hours.

489-L. **Practicum in Costume and Makeup.** 1-3 hrs. May be taken for a total of nine (9) hours.

492. **Special Problems.** 1-3 hrs. To allow individual students or groups of students to study special advanced problems in theatre not normally addressed by regular courses. (Students undertaking a Senior Honors Project will enroll in THE H492.)

497. **Theatre Exchange Studies Abroad.** 9-15 hrs. Opportunity to study theatre for one semester in an approved exchange program abroad. Offered under auspices of Center of International Education.

499. **British Studies in Theatre.** 3-6 hrs.

THERAPY (THY-740)

411.**Introduction to Kinesiotherapy.** 3hrs. An introduction to the theory of organizing and conducting kinesiotherapy as it applies to physical and mental rehabilitation.

412. **Kinesiotherapy I.** 3hrs. Prerequisites: BSC 250 and 251; HPR 303, 370, and 374; THY 411. Emphasis placed on physical evaluation procedures of spine and extremities, musculo-skeletal function, goniometry and gait analysis.

413. **Kinesiotherapy II.** 3hrs. Prerequisites: HPR 308; THY 412 and 451. Rehabilitation as a part of the comprehensive medical core and its application in restoration of physical and mental impairments towards functional independence.

421. **Clinical Experience.** 1-4 hrs. Arr. A supervised internship in various habilitation, rehabilitation, or neuropsychiatric clinics. May be repeated.

451. **Neurological and Pathological Foundations in Kinesiotherapy.** 3 hrs. The introductory study of neuro sciences and pathology of diseases commonly encountered by kinesiotherapists.

461. **Corrective Therapy and Rehabilitation Medicine.** 2hrs. An introduction to the basic concepts and considerations necessary for effective functioning in the clinical setting.

462. **Spinal Cord Injuries and Muscle Disorders.** 2hrs. A review of normal and abnormal functioning of the motor pathways with emphasis on evaluation and rehabilitation of specific motor disorders and spinal cord injuries.

463. **Normal Human Locomotion.** 2hrs. An indepth analysis of normal human locomotion and its impact on ambulation training, prosthesis gain deviations, and blind mobility training.

464. **Cardiovascular and Respiratory Disorders.** 2hrs.

471. **Accelerated Corrective Therapy Rehabilitation Ward Program.** 2hrs. An introduction to the basic concepts and treatment procedures used in accelerated rehabilitation ward programs.

472. **Dynamics of Psychiatric Group Rehabilitation Programs.** 2hrs. The complexities in directing neuropsychiatric group activities.

473. **Neuro-Psychiatric Geriatric Training.** 2hrs. An introduction to the multi-problem areas of communication with motivating and treating the geriatric, neuro-psychiatric patient.

474. **Programs for the Severely Disturbed Psychiatric Patient.** 2hrs. An introduction to the problems of treating the psychiatric patient in a locked ward setting.

477. **Developmental Disabilities in Early Childhood.** 2hrs. Overview of contributing factors to atypical early development, identification, and management of at-risk conditions, legal/ethical issues, and legislation/litigation.

478. **Specialized Studies in Developmental Disabilities.** 1-6 hrs. Specialized study and skill acquisition in the area of developmental disabilities. Topics vary.

497. **Professional Collaboration for Developmental Disability Services.** 3hrs. Prerequisite: Upper level undergraduate students only. Study of the interdependent contributions of relevant disciplines in training, service, and research.

498. **Families of the Developmentally Disabled.** 3hrs. Interdisciplinary approach to the study of families of the developmentally disabled.

TOXICOLOGY (TOX-385)

470. **Survey of Toxicology.** 3 hrs. Prerequisite: CHE 256. A one semester survey course in toxicology.

WOMEN'S STUDIES (WS—015)

301. **Introduction to Women's Studies.** 3 hrs. Introduces the interdisciplinary area of Women's Studies through readings, guest lectures, and discussions.

450. **Seminar in Women's Studies.** 3 hrs. Examines specific Women's Studies topics in-depth via readings and discussions.

490. **Directed Research in Women's Studies.** 1-3 hrs. Permission of instructor. Enables students to engage in a research project or practicum involving Women's Studies .

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